



Freie Universität Bozen
Libera Università di Bolzano
Università Lìedia de Bulsan

FREE UNIVERSITY OF BOZEN-BOLZANO

SELECTION PROCEDURES

for

**7 posts of
JUNIOR UNIVERSITY RESEARCHER
with fixed-term CONTRACT**

Vice Rector's decree
of 08.08.2017,
no. 18/2017

FREE UNIVERSITY OF BOZEN-BOLZANO
VICE RECTOR'S DECREE
no. 18/2017

Selection procedures for 7 posts of *junior* university researcher with fixed-term contract

The VICE RECTOR

In view of

- the Statute of the Free University of Bozen-Bolzano;
- Art. 24 of the law 30th December 2010, no. 240;
- the regulation for the recruitment of researchers with fixed-term contract in force;
- the applicable regulation regarding the contractual and economic conditions of the professors and researchers;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 26.01.2017, no. 42/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 07/B2 – ARBORICULTURE AND FOREST SYSTEMS and in the disciplinary-scientific sector AGR/03 – ARBORICULTURE AND FRUITCULTURE;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 18.05.2017, no. 143/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 07/C1 - Agricultural, forest and biosystems engineering and in the disciplinary-scientific sector AGR/09 – Agricultural machinery and mechanization;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 15.06.2017, no. 173/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 07/E1 AGRICULTURAL CHEMISTRY, AGRICULTURAL GENETICS AND SOIL SCIENCE and in the disciplinary-scientific sector AGR/13 - Agricultural chemistry;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 15.06.2017, no. 174/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 08/A1 HYDRAULIC, HYDROLOGY, HYDRAULIC AND MARITIME CONSTRUCTION and in the disciplinary-scientific sector ICAR/02 Hydraulic Construction, Marine Construction, Hydrology;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 27.07.2017, no. 208/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 07/F2 Agricultural microbiology and in the disciplinary-scientific sector AGR/16 – Agricultural microbiology;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 27.07.2017, no. 209/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 09/C2 - Technical Physics and Nuclear Engineering and in the disciplinary-scientific sector ING-IND/10 - Thermal engineering and industrial energy systems;
- the resolution of the Faculty Council of the Faculty of Science and Technology of 27.07.2017, no. 210/2017, concerning the propose of the recruitment of one junior university researcher with fixed-term contract at the Faculty of Science and Technology in the competitive sector 09/C2 - Technical Physics and Nuclear Engineering and in the disciplinary-scientific sector ING-IND/11 - Building Physics and Building Energy Systems;
- considered that the posts of university researcher with fixed-term contract requested by the Faculty of Science and Technology enjoy the necessary financial backing.

DECREES

Art. 1

Object of the selection procedures

- 1) The Free University of Bolzano, hereinafter referred to as University, announces three selection procedures for 7 posts of *junior* university researcher for the Faculty and the disciplinary-scientific sector hereafter indicated.

1. Faculty of Science and Technology

PIS: 118504

Competition Sector: 07/B2 – Arboriculture and Forest Systems

Disciplinary-scientific sector: AGR/03 – Arboriculture and Fruiculture

Area of research or title of the research project: Enhancing the sustainability of the production methods and of the quality of fruit crops, particularly grapevine, throughout a more efficient use of water and nutrients resources and with an optimization of the cultivation techniques. The researches foreseen the use of micrometeorological and ecophysiological methodologies, including the use of the stable isotope techniques.

Research activity: The researcher is expected to develop original research on grapevine and other fruit crop species on topics related to:

- the carbon and water fluxes through the use of ecophysiological and micrometeorological techniques (eddy covariance technique);
- the monitoring of plant water status and the development of physiological plant-stress indicators for a more efficient use of the water resource;
- the nutrients cycle in fruit crops also in relation to different soil management techniques and/or the use of soil amendments.

For these activities the researcher will apply also research methodologies that foreseen the use of the stable isotope techniques.

The researcher must also be active in the preparation of research proposals to be submitted to national and international founding agencies. The candidate is also asked to write papers for the publication in international journals, which are of high impact for the scientific community of reference and to present the results of his/her research at national and international conferences.

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: min. 60 hours and maximum 120 hours for academic year

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam.

Language of the interview with the commission: Italian

Language of the oral exam: English

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points)

Scientific titles: up to a maximum of 54 points which are composed as follows:

- a) PhD on a research topics which are coherent with the scientific sector AGR/03, max 7 points;
- b) Post-lauream specialization courses at university level (for example 2nd degree masters) on topics which are coherent with the scientific sector AGR/03, max 5 points;
- c) Research activity at university level (research contracts, scholarships) on the research fields foreseen by the scientific sector AGR/03, max 25 points;
- d) Teaching activities at university level conducted on subjects congruent with the ones of the scientific sector AGR/03 and proven by official documentation from the university; tutoring activities for students (max 6 points);
- e) Speaker at international and national conferences, max 5 points;
- f) Participation at the organization of conferences and/or other scientific events, max 4 points;
- g) Awards and recognitions obtained for the research or study activities, max 2 points.

Publications: up to a maximum of 36 points.

For the evaluation of the single publications it will be considered the originality, the scientific relevance, the editorial classification and the diffusion among the scientific community, the congruence with the scientific sector AGR/03. In case of publications in collaboration, the individual contribution of the candidate will be also evaluated in relation with the candidate's name position within the list of authors (first author, last author and corresponding author).

Oral exam

Knowledge of the English language will be evaluated on the basis of the reading and oral translation of a text chosen by the commission, max. 10 points.

Criteria for determining the part of the candidate in publications with more than one author: In case of publications in collaboration, the individual contribution of the candidate will be also evaluated in relation with the candidate's name position within the list of authors (first author, last author and corresponding author).

Threshold for the assessment of candidates' suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: /

Threshold for the assessment of candidates' suitability with regard to the oral exam: /

Maximum number of publications: 12

Supervisor: Prof. Carlo Andreotti

Working place: Bozen-Bolzano

Start of contract: 15.11.2017

Session: IV Session 2017

2. Faculty of Science and Technology

PIS: 122362

Competition Sector: 07/C1 - Agricultural, forest and biosystems engineering

Disciplinary-scientific sector: AGR/09 – Agricultural machinery and mechanization

Area of research or title of the research project:

Applications of Farm Machinery and Mechatronics (designing and machine properties, monitoring and controlling systems) and Fam Mechanization (use of machines) in agro-forestry enterprises to be used in productive processes or services at stationary or mobile user-point), with related management

analysis (both ex-ante and ex-post) of their impacts on profitability, quality of primary products, workers' safety and environmental sustainability.

Research activity: The candidate will carry out teaching and research activities on the topics from the scientific sector AGR/09.

Everything with a focus on problems of mountain environment in relation to aspects concerning: the development of technology solutions that are appropriate to ensure adequate standards of safety and comfort to the operators of the sector, including a strong specialization towards the production contexts in sloping areas, offering unprecedented standard test conditions for agricultural vehicles to be primarily used in such environments, ii) the creation of new prototypes, designed to implement product- or process- innovations (either radical, or incremental) within the sector, also with a strong focus on aspects related to energy efficiency and environmental protection, iii) the promotion of technology transfer activities across multiple sectors, including application areas normally independent of each other: from winter industry to agro-forestry solutions, or vice versa, and iv) all forms of application of Information Technology to the agro-forestry sector, ranging from process monitoring to automation (precision farming and precision forestry). Furthermore, research activities can cover relevant technological and managerial issues typical for the application domains of the AGR/09 sector that will be included in potential future projects of the Faculty of Science Technology of the unibz.

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: min. 60 hours and maximum 120 hours for academic year

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: Italian

Language of the oral exam: English

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points)

Discussion of titles: (Max. 65)

- Possession of a doctoral degree or equivalent in the field of research is congruent with the position of RTD subject to this call, obtained in Italy or abroad (**max. 15 points**);
- Master's degree: up to a **maximum of 5 points**;
- Further academic degrees: (master, specializations schools) up to a **maximum of 5 points**;
- Experience in the field of agricultural engineering, with a focus on farm machinery and mechanization: up to a **maximum of 5 points**;
- Teaching at the university level preferably within topics on farm machinery and mechanization: **max. 10 points**;
- Research activities (**max. 15 points**);
- Participation as a speaker at conferences and national and international conferences, with contributions inherent issues of farm machinery and agricultural mechanization (**max. 10 points**).

Discussion of publications: It will be taken account of originality, scientific relevance of the editorial collocation, the spread within the scientific community, the number of authors, the consistency of the methods used in publications on topics of farm machinery and agricultural mechanization (**max. 20 points**).

Oral exam: (verification of language knowledge): The Selection Committee will assess the level of knowledge of the language of the oral exam (English) with the assignment of a score (**max 15**

points). Knowledge of English language will be evaluated based on reading and oral translation of a text chosen by the commission and a short conversation.

Criteria for determining the part of the candidate in publications with more than one author: For publications with multiple authors, the individual contribution of the candidate, if not obvious from the text, is determined based on a duly signed statement of the authors of the work on the contribution of the individual. In the absence of such a declaration, the contribution among the various authors is considered equally weighted

Threshold for the assessment of candidate's suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 30/85 (max. 85)

Threshold for the assessment of candidates' suitability with regard to the oral exam: 10/15 (max. 15)

Maximum number of publications: 12

Approximate Start Date: 15.11.2017

Supervisor: Prof. Fabrizio Mazzetto

Working place: Bozen-Bolzano

Session: IV Session 2017

3. Faculty of Science and Technology

PIS: 124227

Competition Sector: 07/E1 Agricultural Chemistry, Agricultural Genetics and Soil Science

Disciplinary-scientific sector: AGR/13 - Agricultural Chemistry

Area of research or title of the research project: Agricultural Chemistry applied to the production in mountain agriculture focusing on soil quality and the dynamics related to soil fertility

Research activity: Study with physiological, biochemical and molecular approaches of the soil-plant-microorganisms interactions with effects on the availability, adsorption, translocation and allocation of nutrients

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: min. 60 hours and maximum 120 hours for academic year

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: English

Language of the oral exam: German

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points)

Discussion of titles:

up to a maximum of **40** which are composed as follows:

- a) research doctorate (PhD or equivalent) obtained in Italy or abroad – max 3 points;
- b) a) University-level didactic activities in Italy or abroad - max 14 points;
- c) documented training or research activity in research institutions in Italy or abroad – max 14 points;
- d) organization, coordination and management of research groups in Italy or abroad or participation to the same – max 2 points;
- e) ownership of patents in sectors where they are foreseen – max 2 points;
- f) speaker at national or international conferences – max 2 points;
- g) Awards and national or international recognitions for research activities – max 3 points;

Discussion of publications:

up to a maximum of **60**; Each publication: up to 5 points, by an analytical evaluation of each publication considering the following criteria:

- a) Originality, innovativeness and importance of each scientific publication;
- b) Congruence of each publication with the competitive-sector the selection procedure relates to;
- c) Scientific relevance of the publications' editorial classification and their diffusion among the scientific community;
- d) individual contribution to the publication of the candidate in case of publications in collaboration.

Oral exam:

During the discussion with the Commission (German), the Candidate is evaluated for his/her language skills. The commission will express a judgment: insufficient, sufficient, good, very good, and excellent. The evaluation will take place through readings and translation of specialised text chosen by the Commission.

Criteria for determining the part of the candidate in publications with more than one author: individual contribution to the publication of the candidate in case of publications in collaboration.

Threshold for the assessment of candidates suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 70/100.

Threshold for the assessment of candidates' suitability with regard to the oral exam:
Sufficient

Maximum number of publications: 12

Supervisor: Prof. Stefano Cesco

Working place: Bozen-Bolzano

Approximate Start Date: /

Session: IV Session 2017

4. Faculty of Science and Technology

PIS: 124069

Competition Sector: 08/A1 Hydraulic, Hydrology, Hydraulic and Maritime Construction

Disciplinary-scientific sector: ICAR/02 - Hydraulic Construction, Marine Construction, Hydrology

Area of research or title of the research project: Characterization and optimization of hydroelectric plants, with particular reference to climate change and in the context of other renewable sources.

Research activity: The research will be carried out in the frame of Hydraulic Construction with particular reference to:

- Design and optimization of technical/economic management of hydroelectric plants in presence of environmental constraints,
- management of hydroelectric production in the context of hydroelectric and other renewable sources
- Optimization of the design of small hydropower plants from residual potential (including energy recovery in water distribution systems).

Development of research topics based on analysis and modeling of real case-studies.

The research will be conducted in collaboration with research groups of the Faculty of Science and Technology and foreign universities, as well as in collaboration with local partners.

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: min. 60 hours and maximum 120 hours for academic year

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: English

Language of the oral exam: German

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points):

Scientific qualifications:

Master's degree: up to a maximum of 5 points;

Possession of a doctoral degree or equivalent in the field of research is congruent with the position of RTD subject to this call, obtained in Italy or abroad (max. 15 points);

Teaching experience at university level preferably within the topics of the scientific sector related to this call (max. 10 points)

Research and professional activities (e.g., research contract at university level or at a another renowned research institution) in the fields of research set out in section 11, participation as a speaker at national and international conferences in the field of research subject to this call (max. 35 points)

Publications: It will be taken account of originality, scientific relevance of the editorial collocation, the spread within the scientific community, the number of authors, the consistency of the methods used in publications with the research project (see section 11) and the sector (max. 25 points).

Oral exam: the knowledge of the German language will be evaluated based on reading and oral translation of a specialized text chosen by the commission and a short conversation.

The Selection Committee will assess the level of knowledge of the language of the oral exam (German) with the assignment of a score (max 10 points) for the oral translation of a technical text chosen by the commission and a short conversation.

Criteria for determining the part of the candidate in publications with more than one author: /

Threshold for the assessment of candidates suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 50/90 points.

Threshold for the assessment of candidates' suitability with regard to the oral exam: /

Maximum number of publications: 12

Supervisor: Prof. Maurizio Righetti

Working place: Bozen-Bolzano

Approximate Start Date: /

Session: IV Session 2017

5. Faculty of Science and Technology

PIS: 124441

Competition Sector: 07/F2 Agricultural microbiology

Disciplinary-scientific sector: AGR/16 – Agricultural microbiology

Area of research or title of the research project: Microbial ecology study of fermented beverages and foods: from ecosystem analysis to starter culture development.

Research activity: The research activities aims at studying the structure and functions of the main microbial populations harboring beverages and fermented foods. Monitoring of the evolution over time of microbial communities in order to understand the role of the microbiota in the ecosystem of interest. Such knowledge will be useful to take advantages of microbial resources for selecting tailored starter enabling improved efficiency of fermentation and enhancement of the studied ecosystems.

In particular, the following activities will be carried out:

- application of culture-dependent and independent approaches for the assessment of the microbiota structure in complex ecosystems;
- evaluation of the functions of microbial populations using advanced methods of meta-genomics and meta-transcriptomics and analysis of complex data sets;
- selection and pro-technological characterization of starter to be used in fermentation for the improvement and exploitation of ecosystems of interest.

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: min. 60 hours and maximum 120 hours for academic year

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: English

Language of the oral exam: English and German

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points):

Academic titles:

- Documented training or research at qualified Italian or foreign institutions (up to a maximum of 20 points);
- Realization of project activity within the area of Food Science and Technology (up to a maximum of 20 points)
- Ownership of patents related of Food Science and Technology area (up to a maximum of 5 points);
- Speaker at national and international conferences (up to a maximum of 5 points).

Publications:

- Originality, innovativeness, methodological rigor and relevance of each scientific publication;
 - congruence of each publication with the competitive sector;
 - scientific relevance of each publication's editorial classification and their diffusion among the scientific community;
- (up to a maximum of 30 points).

Oral exam:

Assessment of the language knowledge based on a brief conversation.

Knowledge of the German and English language based on a brief conversation (up to a maximum of 20 points).

Criteria for determining the part of the candidate in publications with more than one author: Number of authors and author's position in the publication

Threshold for the assessment of candidates suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 40

Threshold for the assessment of candidates' suitability with regard to the oral exam: 10

Maximum number of publications: 15

Supervisor: Prof. Marco Gobetti

Working place: Bozen-Bolzano

Approximate Start Date: /

Session: IV Session 2017

6. Faculty of Science and Technology

PIS: 124440

CUP: B83G13000420003

Competition Sector: 09/C2 - Technical Physics

Disciplinary-scientific sector: ING-IND/10 - Thermal engineering and industrial energy systems

Area of research or title of the research project:

The research field deals with the study of the processes of heat transfer and with the thermofluidynamic behavior of combined heat and power systems fed by renewable sources, in particular by biomass.

Research activity: This research area aims to the study of distributed cogeneration technologies, which are most promising, in order to valorise the local biomass utilization in South-Tyrol, increase the conversion processes' efficiency and contribute to the mitigation of environmental impacts.

Novel processes whose aim is solid fuels (biomass and waste) upgrade into intermediate fuels (solid, liquid and gaseous) are of particular significance, as gasification and pyrolysis.

The research focuses in particular on: 1) biomass characterization; i.e. analysis of physical-chemical and energetic characteristics; 2) experimental and modelling analysis of energy conversion processes and systems; 3) characterization of the gasification/pyrolysis products and by-product and their valorization to generate heat, electricity and chemicals.

The research methods, experimental and theoretical, will be applied both at the laboratory and at the pilot scale.

It is foreseen to present the research results both to the scientific audience and as informative paper/speech and also on the media, in the area of the energy generation from biomass

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: /

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: English

Language of the oral exam: Italian and German

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points):

Scientific qualifications:

- Possession of a doctoral degree or equivalent in the field of research is congruent with the position of RTD subject to this call, obtained in Italy or abroad (**max. 10 points**);
- Master's degree in the field of the position of RTD subject to this call, obtained in Italy or abroad (**max. 5 points**);
- Experience (gained on the job or through research projects) in the area of assessment (**max. 10 points**);
- Research activities (e.g., research contract at university level or at another renowned research institution) in the academic discipline defined under point 8 (**max. 16 points**)
- Teaching activity at university level in the field of this call (**max. 16 points**)
- Participation as a speaker at national and international conferences in the field of research subject to this call (**max. 5 points**)

Publications: It will be taken account of originality, scientific relevance of the editorial collocation, the spread within the scientific community, the number of authors, the consistency of the methods used in publications with the research project (see section 11) and the sector (max. 24 points).

Knowledge of each language, Italian and German language will be evaluated based on reading and oral translation of a text chosen by the commission and a short conversation.

Language proficiency max. 14 points

- max. 7 points for German
- max. 7 points for Italian

Criteria for determining the part of the candidate in publications with more than one author: For publications with multiple authors, the individual contribution of the candidate, if not

obvious from the text, is determined based on a duly signed statement of the authors of the work on the contribution of the individual. In the absence of such a declaration, the contribution among the various authors is considered equally weighted.

Threshold for the assessment of candidates suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 50

Threshold for the assessment of candidates' suitability with regard to the oral exam: /

Maximum number of publications: 12

Supervisor: Prof. Andrea Gasparella
Tutor: Prof. Marco Baratieri

Working place: Bozen-Bolzano

Approximate Start Date: December 2017

Session: IV Session 2017

7. Faculty of Science and Technology

PIS: 124443

CUP: B83G13000420003

Competition Sector: 09/C2 - Technical Physics

Disciplinary-scientific sector: ING-IND/11 - Building Physics and Building Energy Systems

Area of research or title of the research project:

Building physics and buildings' energy systems, and in particular the study of energy efficiency and non-energetic performance of buildings.

Research activity: Building physics and buildings' energy systems and in particular the study of energy efficiency and non energy performance of buildings is an important axis of the Strategic Research Agenda of the Faculty of Science and Technology. It aims at developing the knowledge on the evaluation, experimental and numerical, of the materials, components and systems and physical phenomena, on the optimization of the design and management of buildings in order to maintain and improve the environment for the occupants – in particular regarding thermal hygrometric, visual and acoustic comfort - and the same time reducing the energy and environmental impact of buildings. The research aims to contribute to innovation and technology transfer to companies operating in the building and heating technology.

Sound scientific competences are needed in the area of environmental technical physics and in particular in the techniques of laboratory and on site measurements of thermo-physical properties, in energy and multiphysics modeling of components and systems, up to the scale of building, in the optimization either single and multiobjective, and in the analysis of the results, through statistical approaches and techniques. The research activities will be conducted in collaboration with local partners and international organizations.

Activity: (1) Design and settling of experimental systems for measurements on site and in the laboratory; (2) Collection and analysis of experimental data in the laboratory and on site, related to psychrometric measurements, thermophysical properties of fluids and materials, energy and non-energy performance of components and systems, up to the scale of building, including quantities regarding environmental comfort (thermal-hygrometric, visual and acoustic); (3) Energy and multiphysics modeling of phenomena, components, systems up to the building scale; (4) Analysis of results with statistical techniques; (5) Reporting, presentation and publication of the results for

internal use or for external use, either for a scientific or non-scientific public.

Number of positions: 1

Duration of the contract: 3 years

The regime of commitment: full-time

Number of teacher-centered didactic hours assigned per academic year: /

Type of selection: qualifications and discussion of the qualifications, the projects, the scientific production and oral exam

Language of the interview with the commission: English

Language of the oral exam: Italian and German

Criteria for the attribution of a score to the candidates during the interview with the commission for the scientific qualifications, projects, every single publication and oral exam (max. 100 points):

- Master's degree in the field of this call, obtained in Italy or abroad: **up to a maximum of 5 points;**
- Research topic of the PhD Dissertation consistent with the field of the call: **up to a maximum of 10 points;**
- Professional experience in design and evaluation, in the area of assessment, optimization, measurement and diagnosis of the energy and non-energy performance of buildings and buildings' systems: **up to a maximum of 10 points;**
- Research activities (e.g., research contract at university level or at another renowned research institution) in the fields of research of this call and preferably: **up to a maximum of 25 points;**
- Teaching activity at university level preferably in the field of this call and in particular in building physics and building energy systems, and of the evaluation and optimization of energy and non-energy performance of buildings: **up to a maximum of 7 points;**
- Participation as a speaker at national and international conferences in the field of research subject to this call (**max. 5 points**)

Publications: It will be taken account of originality, scientific relevance of the editorial collocation, the spread within the scientific community, the number of authors, the consistency of the methods used in publications with the research project (see section 11) and the sector (**max. 24 points**).

Knowledge of each language, Italian and German language will be evaluated based on reading and oral translation of a text chosen by the commission and a short conversation.

Language proficiency max. 14 points

- max. 7 points for German
- max. 7 points for Italian

Criteria for determining the part of the candidate in publications with more than one author: For publications with multiple authors, the individual contribution of the candidate, if not obvious from the text, is determined based on a duly signed statement of the authors of the work on the contribution of the individual. In the absence of such a declaration, the contribution among the various authors is considered equally weighted

Threshold for the assessment of candidates suitability with regard to the publications, the scientific curriculum and the discussion with the Commission: 50

Threshold for the assessment of candidates' suitability with regard to the oral exam: /

Maximum number of publications: 12

Supervisor: Prof. Andrea Gasparella

Working place: Bozen-Bolzano

Approximate Start Date: December 2017

Session: IV Session 2017

Art. 2

Requirements for admission

- 1) For participating in the selection procedure in the disciplinary-scientific sector **AGR/03 – Arboriculture and Fruiculture** candidates must possess the following qualification: PhD in Arboriculture or on subjects related to the scientific sector AGR/03;

For participating in the selection procedure in the disciplinary-scientific sector **AGR/09 – Agricultural machinery and mechanization** candidates must possess the following qualification: PhD or equivalent foreign titles in the field of the agro-forestry or environmental sciences, engineering or physical sciences, or information technologies;

For participating in the selection procedure in the disciplinary-scientific sector **AGR/13 - Agricultural chemistry** candidates must possess the following qualification: Research Doctorate in the disciplines of Agricultural Sciences;

For participating in the selection procedure in the disciplinary-scientific sector **ICAR/02 - Hydraulic Construction, Marine Construction, Hydrology** candidates must possess the following qualification: PhD or equivalent academic title acquired in Italy or abroad which is coherent with the position as researcher herein called for;

For participating in the selection procedure in the disciplinary-scientific sector **AGR/16 – Agricultural microbiology** candidates must possess the following qualification: PhD in Food Science and Technology;

For participating in the selection procedure in the disciplinary-scientific sector **ING-IND/10 Thermal engineering and industrial energy systems** candidates must possess the following qualification: PhD or equivalent foreign titles in Engineering studies;

For participating in the selection procedure in the disciplinary-scientific sector **ING-IND/11 Building Physics and Building Energy Systems** candidates must possess the following qualification: PhD or equivalent foreign titles in the field of Engineering;

The following persons cannot participate in the selection procedure:

- a) university professors of the first and second rank and researchers employed with open-ended contract, even if ceased from service;
- b) those having had contracts in quality of holder of research grants and of fixed-term researcher according to Art. 22 and 24 of the law no. 240/2010 by the University or other public, not public or telematic Italian Universities, and bodies provided by paragraph 1 of Art. 22 of the law no. 240/2010 for a period that, added to the duration provided by the contract of the call, exceeds altogether 12 years, also not consecutive. For the duration of the mentioned relationships the periods of absence for maternity or for health reasons as provided by law in force are not taken into consideration;
- c) those having family or kinship relation, up to the fourth degree, with a professor of the Department making the proposal of the activation of the contract, with the Rector, the Director or with a member of the University Council

- 2) All above mentioned requirements must be held on the date of expiry of the term set for the presentation of the application for participation in the selection procedure.

Art. 3

Conditions for presenting the application for participation

- 1) To participate in the present selection procedure candidates must fill in an application form in unstamped paper, according to the model of attachment 'A' and available on the web page of the University <https://www.unibz.it/en/home/position-calls/positions-for-academic-staff/?departments=370&group=16&year=2017> within 30 days from the day following the publication of this public announcement in "*Gazzetta Ufficiale della Repubblica*".

- 2) The application, duly signed and dated at the last page, must be addressed to:

Free University of Bozen – Bolzano
Personnel Office Academic Staff (call)
Piazza Università, 1- P.O.B. 276
39100 Bozen-Bolzano

The application for participation in the selection procedures may also be directly handed in (opening hours: from Monday to Friday from 10 a.m. to 12 a.m. and on Monday, Tuesday and Thursday from 2 p.m. to 4 p.m.) or sent by post with registered letter with notification of reception or any other form appropriate to certify the reception within the above mentioned final date. Therefore shall be considered proof the date stamp of the accepting post office according to the D.P.R. 28th December 1970, no. 1077.

The candidate is obligated to add to the application in paper form, a data carrier which contains a digital copy of all documents (if possible PDF version) produced (the same holds true for the publications).

The University disclaims liability for possible postal mis-deliveries.

- 3) On the package the candidate, in addition to the requirements mentioned in paragraph 2, must affix the inscription "Application: selection procedure for one post of university researcher with fixed-term contract" and accurately indicate the faculty, the competitive sector, the initials and the denomination of the disciplinary-scientific sector, the title of the research project and the candidate's name, surname and address for the present selection procedure (the address for the present selection procedure is the candidate's elected domicile for the receipt of the communications relating to this procedure).
- 4) On the application (see attachment 'A') the candidate must clearly indicate her/his name and surname and must declare, under his/her own responsibility:
 - a) the date and place of birth;
 - b) the code of personal identification (tax number);
 - c) the residence, with the indication of the street, the street number, the town, the province, the postcode;
 - d) the possessed citizenship;
 - e) the municipality on whose electoral lists she/he is registered or the reasons for the non-registration or cancellation from such lists.
Foreign nationals must declare to enjoy civil and political rights in the country on which they belong;
 - f) not having been convicted of the criminal offences and not having pending criminal suits (otherwise to indicate);
 - g) not to exceed the superior limit of twelve years, also non continuous periods, therefore considering the total duration of the contracts under Art. 22 (Research grants) and Art. 24 (fixed-term researchers) of the law 30th December 2010, no. 240, also between different universities, public, non-public or telematic ones, and with bodies as provided in Art. 22, paragraph 1 of the law no. 240/2010, as well as the duration of the contract according to the present call;
 - h) having viewed the advertisement to which this selection procedure refers and accepts all its provisions;
 - i) the content of the digital copies of all documents produced correspond to the content of the copies produced on paper;

- j) not to be a university professor of the first and second rank or a researcher employed with open-ended contract, even if ceased from service;
 - k) not to have family or kinship relation, up to the fourth degree, with a professor of the Department making the proposal of the activation of the contract, with the Rector, the Director or with a member of the University Council;
 - l) not to have been dispensed or dismissed from the employment by a Public Administration for persistent insufficient performance, not having been declared lost from other public employment according to art. 127, paragraph 1, letter d) of the T.U. regarding provisions concerning the charter of civil servants, approved with D.P.R. 10th January 1957, no. 3, not having gained the employment through production of faked documents or vitiated by not amendable invalidity, and not having had an employment relationship by a Public Administration which has been terminated for disciplinary reasons, included those provided in art. 21 of the legislative decree 29/1993;
 - m) he/she gives the Personnel Office Academic staff the permission to send the scientific curriculum vitae to the mentoring group of the Faculty in order define the optionally payment of the scientific salary increase in case of employment;
 - n) the different activities, than those listed in Art. 12 of the present call, he/she perform;
 - o) that everything in the curriculum vitae (CV) that has been attached to this application is true and s/he gives the person in charge of the selection procedure the permission to undertake any checks on any substitute declarations that have been presented by the undersigned for the purposes of this selection procedure;
 - p) to give the permission for the use of personal details that s/he has supplied to be processed as per Italian legislative decree 196/2003 for any procedures that are connected to this selection procedure and any contracts that may be drawn up as a consequence;
 - q) the address chosen for the receipt of communications relating to the selection procedure she/he has applied for (address with postcode, telephone number, possible e-mail-address or fax number) and the commitment to inform the University in case of possible subsequent variations of those data.
- 5) Candidates with recognized disabilities must expressly specify in their application any aid needed in relation to their handicap and the possible necessity of further time for the performance of the exams, according to art. 20 of the law 5th February 1992, no. 104.
 - 6) Any variation of the candidate's data according to paragraph 4 of the present article must be communicated in written form immediately to this Administration.
 - 7) The University accepts no responsibility for cases in which candidates are untraceable or the communications are undeliverable due to imprecise indication of the address, or belated or lack of notification on the part of the candidate regarding a change of the address declared in the application. The University also disclaims liability for mail going astray, whether third parties are to blame, or whether it is attributable to mishaps, or to *force majeure* and which, in any case, is in no wise ascribable to the University. It accepts no blame when the return delivery slip indicating receipt of the application, of documents or of communications relating to the selection procedures fails to arrive. If the candidate's address differs from that of her/his place of residence, again the University is exempt from responsibility should a registered letter with notification of receipt arriving at the place which the candidate had specified as his address during the period of selection, fail to reach her/him.

Art. 4

Presentation of qualifications

- 1) Considered that, in accordance to the present call, by 'qualifications' are intended the scientific, didactic and artistic ones and the publications, and for 'certificates' any document proving the possession of a certain qualification, the candidate must enclose at the application for participation in the selection procedure in unstamped paper:
 - a) 1 photocopy of a valid identity document and the tax number;
 - b) 1 photocopy of the curriculum vitae regarding the didactic and scientific activity and drawn up according to the model of attachment 'C';
 - c) qualifications believed useful for the comparative assessment;
 - d) 1 photocopy of the list of the publications believed useful for the comparative assessment and drawn up in accordance with article 5 paragraph 3 of this call;
 - e) 1 photocopy of the list of all documents enclosed at the application [generic list of those materially

inserted in the envelope, or the documents required by letters a), b), c) and d) of the present paragraph].

- 2) The qualifications indicated in paragraph 1, letter c), of the present article, if issued by Italian Public Administration, must be produced in one of the following forms:
 - a) in copy corresponding to the original as certified by substitutive declaration of the deed of notoriety according to art. 47 of the D.P.R. 28th December 2000, no. 445. In that case the candidate must produce:
 - 1 copy of each qualification;
 - 1 declaration drawn up according to the model of attachment 'B', signed and dated at the last page, where the candidate, under own responsibility, declares that the copies of the enclosed qualifications, exactly described, and in particular with regard to the date of attainment, place and Administration issuing the qualification, correspond to the original. That declaration at the same time serves as list of the qualifications, in which case the latter ones do not have to be produced;
 - 1 copy of an identity document;
 - b) in form of a self-declaration according to the model of attachment 'B' (substitutive declaration of certification according to art. 46 of the D.P.R. 28th December 2000, no. 445), where the candidate, under own responsibility, declares to possess the qualifications, exactly described, in particular with regard to the date of issue, place and Administration issuing the qualification. In that case the candidate must produce:
 - 1 copy of the attachment 'B', signed and dated at the last page, which at the same time serves as list of the qualifications, in which case the latter ones must not be produced;
 - 1 copy of an identity document.

The University cannot request nor accept certificates issued by other Italian public offices.

If the above-mentioned certificates should be enclosed at the application for participation in the selection procedure, they will not be considered by the Commission of selection.

The certificates issued by private corporation or abroad can be produced in one of the following forms:

- a) in original;
- b) in certified copy;
- c) in copy corresponding to the original as certified by substitutive declaration of the deed of notoriety or in form of a self-declaration according to the above-mentioned model of attachment 'B'.

The above mentioned declarations drawn up according to the model of attachment 'B' may be used by Italian citizens and also by citizens of the EU.

The declarations according to the above-mentioned articles of the D.P.R. 28th December 2000, no. 445, may be used by non-EU citizens, if it is necessary to proof conditions, facts and personal qualities certifiable or attestable by public or private Italian bodies, without prejudice of special provisions in laws and regulations concerning immigration matters and the condition of foreigners.

- 3) The curricula and the lists mentioned in letters d) and e) of paragraph 1 of the present article must be signed and dated in the last page.
- 4) No qualification sent to this Administration will be returned.
- 5) The sending of the publications does not enable to correct the missed or late submission or mailing of the application for participation in the selection.
- 6) Without prejudice to the exceptions expressly provided by law, the above-mentioned attachment 'B' may further be used by the candidate to declare standings, facts and personal qualities of her/his direct knowledge, not expressly indicated in art. 46 of the D.P.R. 28th December 2000, no. 445.
- 7) With regard to non-EU citizens, the certificates issued by the competent Authorities of the country the person belongs to, must be in accordance with the provisions in force in those countries and must also be legalized by the competent Italian consular authorities.

- 8) With regard to conditions, facts and personal qualities self-certificated by the candidates for the present selection procedures the University has the possibility to exercise appropriate checks, also random ones, regarding their truthfulness.

In case of mendacious declaration the candidate, further than being excluded from the selection procedure, will be denounced according to the Criminal Code and the special laws regarding the matter, according to the provisions cited in art. 76 of the D.P.R. 28th December 2000, no. 445.

- 9) The qualifications may be produced in their original language if it is one of the following: Italian, French, English, German and Spanish.

It is in the authority of the Commission of selection to request the candidates integrations of the qualifications submitted in French, English, German or Spanish language, by forwarding the correspondent translation in Italian.

The translation in Italian language must be accompanied by a substitutive declaration of the deed of notoriety where the candidate, according to art. 47 of the D.P.R. 28th December 2000, no. 445, certifies the conformity of the translated text with the original (see attachment 'B').

- 10) Any qualifications drawn up in a language different than Italian, French, English, German and Spanish, submitted by Italian, EU or non-EU citizens, must be enclosed, according to paragraph 3 of Art. 33 of the D.P.R. 28th December 2000, no. 445, the correspondent Italian translation, which is certified conform to the original text by the competent diplomatic or consular representation or by a official translator.

The qualifications drawn up in a different language than those above mentioned, in case of lacking translation, will not be assessed by the Commission of selection.

Art. 5

Sending of the publications

- 1) The sending of the application for participation may be enclosed by the forwarding of the publications.

The publications that the candidate believes useful for presentation at the comparative assessment and which have been indicated in the application for participation according to art. 4, paragraph 1, letter d), must be sent within 30 days from the day following the publication of this public announcement in "Gazzetta Ufficiale della Repubblica" by post with registered letter with notification of reception or any other form appropriate to certify the reception or handed in by hand (opening hours: from Monday to Friday from 8.30 a.m. to 12.30 a.m. and from 2 p.m. to 5 p.m.) to the

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Personnel Office Academic Staff (call)
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39100 Bozen-Bolzano

In relation to publications sent by registered letter with notification of reception proof shall be considered the date stamp of the accepting post office according to the D.P.R. 28th December 1970, no. 1077.

The University disclaims liability for possible postal mis-deliveries.

- 2) If the applicant forward more publications as foreseen in the art. 1, the Commission of selection assess only the maximum number in the order indicated by the applicant.
- 3) Publications will only be evaluated when they can be traced in public catalogues as publications.
- 4) Together with the publications, there must be enclosed a correspondent list, signed and dated at the last page. The Publications must be mentioned in chronological order within each category following the International Standard for bibliographic references with DOI whenever possible. With multiple authorship, if one is the main author, that author's name appears in *Italics*. In addition, in the left-hand margin please star (*) what you consider were especially significant publications. Where relevant, citation index and impact of journal.
- 5) On the package containing the publications there must be affixed the inscription "Publications: selection procedure for one post of university researcher with fixed-term contract" and also accurately indicated the faculty, the competitive sector, the initials and the denomination of the disciplinary-

scientific sector, the title of the research project and the candidate's name, surname and address for the present selection procedure (the address of the present selection procedure is the candidate's elected domicile for the receipt of the communications relating to this procedure).

- 6) Publications handed in or sent after the final term as indicated in paragraph 1 of the present article cannot be considered by the Commission of selection.
- 7) For the present selection procedure as provided in art. 1 of the present call the print extracts and the works which, at the moment of the deadline of the call, have been subject to legal deposit according to the provisions of the law 15th April 2004, no. 106, put into effect with D.P.R. 3rd May 2006, no. 252 are considered assessable.
- 8) The publications, with no. 1 copy of the correspondent list attached, may be sent:
 - a) in original;
 - b) in certificated copy;
 - c) in photocopy. In that case a substitutive declaration of the deed of notoriety (to be drawn up according to the model of attachment 'B' and signed at the last page, with the production of a photocopy of an ID) must be attached, where the candidate, according to art. 47 of the D.P.R. 28th December 2000, no. 445, certifies the conformity of those produced with the original and indicates the author, the title of the work, the place and date of publication and the number of the work.
- 9) In case the candidate produces copies declared conform to the originals according to paragraph 7, letter c), of the present article:
 - a) for works printed in Italy it is also necessary to attest the date of deposit of the printing according to the law 15th April 2004, no. 106, put into effect with D.P.R. 3rd May 2006, no. 252;
 - b) for works printed abroad the date and place of publication must be indicated.
- 10) The publications may be produced in their original language if it is one of the following: Italian, French, English, German and Spanish.

It is in the authority of the Commission of selection to request the candidates integrations of the publications submitted in French, English, German or Spanish language, by forwarding the correspondent translation in Italian.

The translated texts must be produced in typewritten copies with the text printed in the original language and must be accompanied by a substitutive declaration of the deed of notoriety where the candidate, according to art. 47 of the D.P.R. 28th December 2000, no. 445, certifies the conformity of the translated text with the original (see attachment 'B').
- 11) The publications whose original language is different than Italian, French, English, German and Spanish must be translated in one of the above-mentioned languages.

It is in the authority of the Commission of selection to request the candidates integrations of the translations submitted in another language than Italian, by forwarding of a translation in Italian of the already translated text.

The translated texts must be produced in typewritten copies with the text printed in the original language and must be accompanied by a substitutive declaration of the deed of notoriety where the candidate, according to art. 47 of the D.P.R. 28th December 2000, no. 445, certifies the conformity of the translated text with the original (see attachment 'B').
- 12) For selection procedures concerning linguistic matters publications may be produced in the language or languages the selection procedure relates to, even if different of those indicated in paragraph 9 of the present article.
- 13) The publication must be produced in any case, even in case they have already been submitted by this or other Administrations for participation in other selection procedures.
- 14) The missed sending of the publications within the provided date is not considered as renunciation of participating in the selection procedure. Nevertheless, the Commission of selection assesses the candidate only on the basis of the curricula and can therefore not assess the scientific works even if they are personally known by its members.

The Commission of selection does not take into consideration publications not conforming to the

required format or in different edition as those indicated in the application for participation in the selection procedure.

- 15) No scientific work sent to this Administration will be returned. Nevertheless, the candidates may reacquire its possess, except in case of pending controversy and according to the provision of the subsequent article 15, by going, personally or on behalf of a delegate, to the Personnel Office for the Teaching and Research Staff within the term of six months starting from the date of the Rector's decree of confirmation of the regularity of the records. After this term has passed it is in the power of the University to dispose freely of the material not withdrawn.

Art. 6

Exclusion from participation in the selection procedure

- 1) The candidates are admitted conditionally to the selection procedures. Therefore exclusion through failing to meet the prescribed requirements is provided for with due decree of the Rector of the University at whatever stage of the procedure.
- 2) In particular, are excluded those:
 - a) presenting an application which is not signed;
 - b) presenting applications which, for any reasons, are not sent by post or consigned by the final deadline indicated in art. 5, paragraph 1 of the present call.

Art. 7

Renunciation of participation

- 1) The renunciation of participation in the selection procedure (to be drawn up according to the model of attachment 'D') must be sent by fax to the President of the Commission of selection (fax number +39 0471 017009) and, for information, to the person in charge of the procedure (fax number +39 0471 011309).

Renunciations which precede the formation of the Commission of selection must be sent exclusively to the person in charge of the procedure (fax number: +39 0471 011309).

- 2) Renunciation takes effect from the Commission's first meeting following the date of its receipt.
- 3) The absence of the candidate at the public discussion with the Commission of selection about the qualifications, the projects, the artistic production and the scientific production is considered implied renunciation to the selection procedure.

Art. 8

Commission of selection

- 1) The Commission of selection is to be constituted of three professors of the first rank or of two professors of the first rank and of a professor of the second rank of universities in Italy or abroad.
- 2) The members of the Commissions of selection are appointed by the Department requesting the selection procedure.
- 3) The Commission of selection is appointed by special provision, to be published also on the University's web page.

The Commission of selection remains in charge for six months and may be renewed only once and for not more than four months.

In case the work has not been completed within the extended period, the Rector, with due provision, will start procedure for the replacement of the Commission or the members responsible for the delay, establishing at the same time a new term for the conclusion of the work.

- 4) The Commission of selection, for carrying out its meetings, may make use of telematic tools for collective work.

Art. 9

Selection of the candidates

- 1) The selection is performed by a preliminary assessment of the candidates, with justified analytical judgment of the qualifications, the projects, the artistic production, the curricula and the scientific

production, also included the doctorate thesis, in accordance with the criteria set out in M.D. 25th May 2011, no. 243.

- 2) The Commissions of selection perform a motivated assessment, followed up by a comparative assessment, referring to the specific competitive sector and to the profile defined exclusively through the indication of one or more disciplinary-scientific sectors, the curriculum vitae and the following duly documented qualifications of the candidates:
- a) the possess of the qualification of Ph.D. or equivalent, or for interested sectors, a diploma of medical postgraduate specialisation, or equivalent, obtained in Italy or abroad;
 - b) eventual performance of university-level didactic activities in Italy or abroad;
 - c) documented performances of services regarding formation or research, by qualified public or private bodies in Italy or abroad;
 - d) performance of activity in clinical area relating to the disciplinary-scientific sectors requesting those specific competences;
 - e) project-activities regarding the disciplinary-scientific sector the selection procedure relates;
 - f) organisation, direction and coordination of national and international research teams;
 - g) ownership of patents related to those scientific-disciplinary sectors where it is provided;
 - h) participation, in quality of lecturer, at national or international conferences and conventions;
 - i) obtainment of awards and national or international recognitions for research activities;
 - j) diploma of European postgraduate specialisation recognized by international Board's, regarding the competitive sectors which have provided it.

The assessment of each above indicated qualification is made considering the significance it has, in order to the quality and quantity of the research-activity done by each candidate.

- 3) The Commission of selection, in order to perform the comparative assessment of the candidates, shall consider only publications or texts accepted for publication as provided by law in force, as well as essays integrated in collective works and articles published on magazines in paper or digital format with exclusion of internal notes or department relations. The doctorate thesis or equivalent qualifications are considered also in absence of this conditions.

The Commission of selection performs the comparative assessment of the scientific publications on the ground of the following criteria:

- a) originality, innovativeness, methodological accuracy and importance of each scientific publication;
- b) congruence of each publication with the competitive-sector the selection procedure relates to and with the profile defined exclusively through the indications of one or more disciplinary-scientific sectors, or with connected interdisciplinary topics;
- c) scientific relevance of the publication's editorial classification and their diffusion among the scientific community;
- d) analytical definition, also on the ground of the guidelines recognized by the related scientific community, of the candidate's individual contribution in case of participation at works in cooperation.

The Commissions of selection must also assess the total consistency of the scientific production of the candidate and its intensity and continuity, with exception of the periods, properly documented, of not voluntary renouncing of the research activity, particularly in relation to the parents role.

The Commissions of selection, in order to assess the publications, within the competitive sectors on international level where its use is recognized, make also use of the following indexes, referring the final date of presentation of the candidacies:

- a) total number of quotations;
- b) average number of quotations of each publication;
- c) total "impact factor";
- d) average "impact factor" of each publication;
- e) combination of the previous parameters to increase the impact of the scientific production of the candidate (Hirsch index or similar).

- 4) Following the preliminary assessment, the candidates comparatively more meritorious, in an amount included from 10 to 20 per cent of their number and, in any case, not less than six applicants, are admitted to the public discussion with the Commission of selection of the qualifications, the projects, the artistic production and the scientific production, which may also assume the form of a seminar opened to the public. All candidates are admitted to the discussion if their number is equal or inferior to six.

Following the discussion a score will be attributed to the qualifications, the projects, the artistic production and to each publication submitted by the admitted candidates .

- 5) The discussion may be performed also by videoconference.
- 6) The oral examination, if provided, is aimed to verify the adequate knowledge of the teaching languages of the University and is being held in the language/s indicated in Art. 1 of the present call and will take place contemporaneously with the discussion.
- 7) The date/s of the public discussion with the Commission of selection of the qualifications, the projects, the artistic production and the scientific production will be communicated to the parties concerned in time.
- 8) In order to sustain the discussion, the candidate must be equipped, with the exclusion of others, of one of the following currently valid documents of recognition provided in Art. 35, paragraph 2 of the D.P.R. 28th December 2000, no. 445: identity card, passport, driving license, railway record-book, postal card, firearms license. The mentioned documents must contain a recent photograph of the candidate and her/his signature be authenticated by a mayor or a public notary in order to sustain the discussion.
- 9) At the end of the procedures, the Commission of selection identifies a winner and compiles the merit ranking of the suitable candidates valid for three years.
The Commission of selection gives communication of the record containing the final merit ranking to the person in charge of the procedure for the subsequent measures.
- 10) From the date of the measure of approval of the acts the term for lodging possible petitions is coming into force.
- 11) In case procedural errors are discovered, the records with due provision will be returned to the Commission of selection for regularization within a final term indicated in the measure.
- 12) The results of the selection will be made public also telematically on the web page of the University.
The results of the selection will be communicated by e-mail or by post to the winners by the Personnel Office for the Teaching and Research Staff.
- 13) The Department calling the selection procedure puts forward the proposal of call-up with a vote of the absolute majority of the professors of the first and second rank.
The proposal is approved by decree of the President of the University Council.

Art. 10

General conditions of the contract, duration of the contract, causes of resolution

- 1) The contract with the researcher has to contain a fixed time-limit and a fixed duration also in relation to the fulfillment of the research program.
- 2) The fixed-term contract does not confer rights for access to the University staff.
- 3) The employment relationship may be resolved by voluntary resignation, with previous written communication addressed to the Rector and to be sent to the Personnel Department of teaching staff and researchers of the Faculty the researcher belongs.
In that case the researcher is obliged to observe a 30 calendar day notice, which starts from the receipt of the resignation letter at the Personnel Department of teaching staff and researchers. In case of written consent of the responsible of the research project/of the responsible of the Department concerned, the notice may not be observed.
- 4) The employment relationship may be resolved according to the provisions of the Civil Code.

Art. 11

Rights and duties of the researchers

- 1) For the purpose of financial reporting of the research projects the notional quantification of the annual research activities amounts to 1.500 hours per year for full time researchers and 750 hours for part-time researchers.
The researcher must annotate all hours in a special register.
- 2) The researcher agrees the modalities on how to perform his/her activities with the responsible of the research project or, in case the latter is not provided, the responsible of the Faculty concerned.
- 3) Annually and at the end of the contract the researcher must submit a short paper containing the results of the research activity performed and the results attained at that date by the Faculty he/she belongs to.

The final report at the end of the contract must be analytical and detailed and must be submitted within 45 days preceding the end of the contract. In case there is a responsible of the research project, the report has to be endorsed and commented by the latter.

Art. 12

Incompatibility, compatibility, trial period, permission for external appointments

- 1) The recruitment in quality of researcher is incompatible with:
 - a) other employment relationships;
 - b) the enjoyment of the research grant;
 - c) the research doctorate, if related with the grant of a scholarship;
 - d) post-degree or post-doctorate scholarships or other kind of granted scholarships;
 - e) collaboration contracts for remuneration regarding didactics and research conferred by the University.

In case the candidate covers other offices or jobs, he/she is obliged to attach a declaration specifying the kind of activity he/she is practicing.

- 2) The recruitment in quality of researcher is compatible with
 - a. collaboration contracts for remuneration regarding didactics and/or research conferred by other universities or institutes in Italy or abroad, by approval of the responsible of the project/area of research and of the Rector;
 - b. occasional lectures and seminars that do not require approval in accordance with the Regulation regarding the incompatibilities and authorizations for the teaching and research staff.
- 3) The employees of the Civil Service must be temporarily relieved of their duties, without benefits or social security and welfare contributions, for the whole duration of the contract, or to be put in position of temporary staff, if that position is provided by the rules he/she belongs to.
- 4) For employees of public administrations, whether with fixed-term or open-ended contract, if resulting winner in the selection procedure, the incompatibilities provided by existing legal provisions and by the concerned collective agreement remain in force.
- 5) The researcher is subject to a trial period of 3 months of effective service starting from the day of hiring.
- 6) For the authorization system the relevant legal provisions are applied.

Art. 13

Economic treatment and social security

- 1) The researcher with fixed-term contract has the right of an annual gross remuneration as determined by the University Council, which, for the researchers "*tempo definito*" is determined in 75 %.
- 2) It is intended that, for legal effects, the relation has to be qualified as dependent employment relationship, therefore the fiscal, charitable and social security disciplines provided for incomes from employment are applicable.

Art. 14
Return of publications

- 1) Candidates declared not eligible may withdraw, at their own expense, the publications submitted to this University within six months from the date of the Rector's decree of confirmation of the regularity of records. Once the term has passed the University keeps the material for its own necessities, disclaiming liability towards the candidates.

Art. 15
Protection of personal data

- 1) For information about the use of personal data, we refer to the data protection code in compliance with art. 13 of Legislative Decree no. 196/2003, attached to the present call.

Art. 16
Person in charge of the procedure

- 1) In accordance with the law 7th August 1990, no. 241, and with successive modifications and integrations the person in charge of the procedure of the present selection is Dr. Paola Paolini, Head of the Personnel Office Academic Staff, *Franz-Innerhofer-Platz 8 - Piazzetta Franz - P.O.B. 276* - tel. +39 0471 011308, fax +39 0471 011309, e-mail: personnel_academic@unibz.it
- 2) On the web page: <https://www.unibz.it/en/home/position-calls/positions-for-academic-staff/?departments=370&group=16&year=2017> expressly dedicated to the selection procedures, are available all relating information, in particular the progress report of the Commission of selection's works as well as the relating deadlines.

Art. 17
Referring provisions

- 1) For anything that is not expressly considered in the present announcement, reference shall be made, where applicable, to the norms cited in the recitals of the present decree and any related laws in force.

Bozen-Bolzano, 08.08.2017

Decree no. 18/2017

THE VICE RECTOR

Prof. Stefania Baroncelli

