



DELIBERA

Organo	COMITATO PER IL RECLUTAMENTO E LO SVILUPPO DELLE CARRIERE
Data seduta	20 marzo 2018
Sede	Via Calepina 14, Trento – seduta telematica
Oggetto	Valutazione di ricercatore di cui all'art. 24, comma 3, lett. b), L. 240/2010 ai fini della chiamata nel ruolo di professore associato: dott. Walter Bertoldi, Dipartimento di Ingegneria civile, ambientale e meccanica.

Sono presenti alla deliberazione:

VALENTINA NIDER	Presidente	P
ALBERTO BELLIN	Componente	P
YURI BOZZI	Componente con funzioni di segretario	P
LUCA NOGLER	Componente	P
RAUL PAOLO SERAPIONI	Componente	P

P = presente; AG = assente giustificato; A = assente

Visto lo Statuto dell'Università degli Studi di Trento emanato con D.R. 167 del 23.04.2012;

Vista la legge 30 dicembre 2010 n. 240 "Norme in materia di organizzazione delle Università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario" e in particolare l'art. 24, comma 5;

Visto il Regolamento per il Reclutamento e la progressione di carriera di professori e ricercatori, emanato con D.R. n. 563 del 29 ottobre 2013 e in particolare l'art. 32 "Valutazione dei titolari dei contratti di cui all'art. 20, comma 1, lettera b) del presente Regolamento ai fini della chiamata nel ruolo di professore associato";

Visti i "Criteri per la valutazione dei ricercatori a tempo indeterminato con contratto di cui al comma 3, lettera b), dell'art. 24 della Legge 240/2010, ai fini della chiamata nel ruolo di professore associato", approvati dal Comitato per il Reclutamento e lo Sviluppo delle Carriere nella seduta del 21 luglio 2015;

Vista la delibera del Consiglio del Dipartimento di Ingegneria civile, ambientale e meccanica del 27 settembre 2017, con la quale si esprime parere favorevole all'inquadramento del dott. **Walter Bertoldi** nel ruolo di professore associato per il settore concorsuale 04/A3 (Geologia applicata, geografia fisica e geomorfologia) – settore scientifico disciplinare GEO/04 (Geografia fisica e geomorfologia);

Vista la propria delibera del 23 gennaio 2018, con la quale sono stati individuati i referee esterni chiamati a valutare la maturità scientifica e didattica del dott. **Walter Bertoldi** nel ruolo di professore associato per il settore concorsuale 04/A3 (Geologia applicata, geografia fisica e geomorfologia) – settore scientifico disciplinare GEO/04 (Geografia fisica e geomorfologia);

Viste le valutazioni espresse dai tre referee sul profilo del dott. **Walter Bertoldi**, di cui sono riportati di seguito alcuni estratti:

Referee n. 1

Dr. Bertoldi research activity is mainly focused on river geomorphology with interest in linkages between stream flow, sediment transport and vegetation influence. His research is based on a theoretical approach which is followed by laboratory tests and field investigation to understand fluvial processes and define mathematical and numerical models.

Dr. Bertoldi in the three years as RTDb (2015-2017) participated to several National and International research projects finalizing his research activity with publication of 9 papers on international peer reviewed journals and 1 book chapter (Scopus source). He was invited speaker in two International Congress, member of several Scientific International Society.

Dr. Bertoldi was awarded, as Full Professor in the National Scientific Qualification (ASN) in the 04/A3 and 08/A1 sectors. On the base of Dr. Bertoldi's CV in my opinion he is fulfilling the competences and skills necessary for being Associated Professor.

Referee n. 2

Dr. Walter Bertoldi is a senior researcher with relevant teaching experience. His scientific interest are focused on fluvial geomorphology, with particular regard to rivers morphodynamics, channel morphology and the interactions between river flow, sediment transport and riparian and dispersed vegetation. He has been working specifically on braided river patterns and frequently on case-studies from the Tagliamento



River. His research tools are multiple and range from field experimental activities to remote sensing surveying to numerical modelling. His research is highly interdisciplinary, and is culturally at the borderline between Geomorphology and Hydraulics.

He has developed his research interests through international training and cultural exchanges, being involved in national and international research projects, in some cases in a leading position. He has demonstrated the capability to interact with international research networks. His publications show that he is able to reach a broad audience within the scientific community of geomorphologists and fluvial hydrologists. Moreover he has showed the capability to transfer his research achievements to applications aimed at solving environmental problems. As regards his teaching skills he demonstrated to be able to teach different types of courses at University level and be able to supervise successfully MSc and PhD students.

Based on what stated above I think that Dr. Bertoldi can confidently be considered for a position of Associate Professor. It would be advisable that in this position Dr. Bertoldi would be able to develop his activity extending to a broader range of environments his research skills and applying his research tools to a more varied suite of case studies. As a Professor of Geomorphology he will be in charge of teaching, apart from specialistic courses having great affinity with his research activity, also introductory courses providing the fundamentals of the discipline. For this reason some research experience in different morphological environments would compliment his already appreciable scientific background.

Referee n. 3

It is with a great enthusiasm that I write this letter for supporting Dr. Walter Bertoldi for his recruitment as assistant professor at the Department of Civil, Environmental and Mechanical Engineering of the University of Trento.

The works from his group at the Univ. of Trento are since long a reference for our community in the domain of the interactions between the river, the solid transport and the vegetation. Walter Bertoldi is a leader in the modeling of those processes and I have been delighted to meet him for the first time in Grenoble in Nov. 2012 at the occasion of an invited talk. At this conference, and also at further occasions, we and other colleagues from our group had with him fruitful discussions, and I particularly appreciated the kind and cooperative attention that he had towards the junior scientists and the PhD students.

Dr. Bertoldi's CV shows the essential characters for a high class young scientist with the a good/excellent grade as concerns the requested conditions for definition of this status :

- The record of the published papers and of his conferences demonstrates original ideas and advances and those papers are references in the domain.*
- As concerns his influence in the scientific community, Dr. Bertoldi participates to a large international scientific network. This collaboration has concretized in visiting periods at Queen Mary Univ. in London and at the Kyoto Univ., in co-authorship in publications, and a large number of invitations for talks during renowned conferences. Dr. Bertoldi is also committed in the international community as an Associate Editor to 3 special issues, and a large number of reviews in international journals.*
- As a responsible modern scientist, Dr. Bertoldi has participated to the management of several international research projects. In the present, he is the Principal Investigator of two projects with a total budget of 480k€.*
- His teaching experience and responsibilities corresponds to his position, and I am confident that Walter Bertoldi will take his share in the managing tasks of programmes and pedagogic teams when accessing to higher academic positions.*

Some of those positive characters were partially initiated for long but they significantly increased during the recent years (see for reference Google Scholar citations)

At the opportunity of the present demand, (and I have to admit that I have not a great curiosity to the official position of my foreign colleagues), I discovered the very basic and somewhat instable position of Dr. Bertoldi. According to the French standards I am much more used to, his record would place him in the position of a Maître de Conférence /Assistant professor within a French university or Chargé de Recherche at CNRS, and qualified for competing to be a Professor or a Directeur de Recherche. In conclusion, I warmly recommend that Dr Walter Bertoldi be recruited as an associate professor in the University of Trento.

Visto il *curriculum vitae* del dott. **Walter Bertoldi**;

Con voto unanime;

Delibera

1. di formulare la seguente valutazione del dott. **Walter Bertoldi**, ai fini della chiamata ai sensi dell'art. 24 comma 5, L. 240/2010 nel ruolo di professore associato per il settore concorsuale 04/A3 (Geologia applicata, geografia fisica e geomorfologia) – settore scientifico disciplinare GEO/04 (Geografia fisica e geomorfologia):



*I giudizi espressi dai referee esterni sul contributo scientifico, la qualità dell'attività di ricerca e l'esperienza professionale del dott. **Walter Bertoldi**, nonché sulla coerenza del suo profilo con i requisiti attesi per il ruolo di professore di seconda fascia, sono molto positivi.*

*A seguito di attenta valutazione del curriculum e delle pubblicazioni, e sulla base dei giudizi formulati dai referee, il Comitato ritiene il profilo scientifico del candidato pienamente adeguato al ruolo ed esprime parere favorevole alla chiamata del dott. **Walter Bertoldi** nel ruolo di professore associato per il settore concorsuale 04/A3 (Geologia applicata, geografia fisica e geomorfologia) – settore scientifico disciplinare GEO/04 (Geografia fisica e geomorfologia).*

F.to Il Presidente
Prof.ssa Valentina Nider

F.to Il Segretario
Prof. Yuri Bozzi