



**TITLE OF THE PANEL:** Who should take the responsibility for bridging the gap between BIG DATA and meeting societal challenges?

**PROPONENT:** The Big Data Association and the International Foundation Big Data and Artificial Intelligence for Human Development - IFAB

**CHAIR: Prof. Emanuela Todeva,** Vice-President of the Triple helix Association, Professor of International Business Strategy and Innovation

**MAIN TOPIC/SCOPE:** The panel will address the challenges of harnessing BIG DATA for social progress, addressing sustainability targets, or meeting specific Sustainable Development Goals (SDGs). Speakers will address the following questions:

- governance and management gaps surrounding BIG DATA;
- the Triple Helix actors mobilised behind the 4<sup>th</sup> industrial revolution and BIG DATA;
- how BIG DATA changes the world;
- how is BIG DATA shared in Europe and what difference does it make in terms of the leading European projects of industrial transformation and single market cohesion, or dealing with the pandemic;
- the challenges for engineering and social sciences to advance their collaborative Responsible Research and Innovation Strategies (RRI);
- how Triple Helix actors support sustainable development with BIG DATA and what are the missing links.

**PANELISTS (NAME, SURNAME, AFFILIATION):**

**Prof. Patrizio Bianchi,** Scientific Director, IFAB - International Foundation for Big Data and Artificial Intelligence for Human Development

**Prof. Antonio Zoccoli,** President of INFN - National Institute for Nuclear Physics

**Dr. Sanzio Bassini,** CTO Director, Director of the CINECA Department Supercomputing Applications and Innovation, CINECA

## SHORT BIO AND PASSPORT-PHOTO OF CHAIR AND PANELISTS:



**Emanuela Todeva** is Vice-President of the Triple helix Association, and Director of the Research Centre for Business Clusters, Networks and Economic Development (BCNED). Her interdisciplinary expertise lies in the field of Triple Helix (TH) governance and intermediation; TH solutions for sustainable development and Innovation policy implementation; TH engagement, co-alignment and co-creation and multi-stakeholder practices; Business models for open innovation and industry/ market development; Orchestration and eco-systems design. Professor Todeva has published a book on Business Networks: Strategy and Structure, and numerous academic articles addressing the challenges of Regional Innovation Systems, Innovation Policy Implementation, Knowledge and Technology transfer, Science Parks and Incubators, University-Industry partnerships – among others.



**Patrizio Bianchi** is Full Professor of Applied Economics (1988). After a long period at the University of Bologna, he founded the Department of Economics and Management of the University of Ferrara (1997). From 2004 he was Rector of the University of Ferrara and then President of the Foundation of the Conference of Italian University Rectors. From 2010 he was Regional Minister for European Affairs, Education, Research, University, and Labour of the Emilia Romagna Regional Government. Since 2020 he is holder of the Unesco Chair "Education, Growth and Equality" and Scientific Director of the International Foundation Big Data and Artificial Intelligence for Human Development. He acted as Coordinator of the

National Committee for the reopening of the Italian Education System after Covid-19 lockdown. He published 250 scientific articles and 40 books in Italian, English and Spanish.



**Antonio Zoccoli** is full professor of experimental physics at the University of Bologna. Since July 1, 2019 he has been President of the National Institute of Nuclear Physics (INFN). Associate researcher of the Bologna Section of the INFN, of which he was Director from 2006 to 2011, since 2011 he was a member of the Executive Board and the vice president.

During his scientific career, he has always been active in the experimental field of fundamental physics, nuclear and subnuclear. Zoccoli is co-author of more than 700 scientific and technical publications in international journals.



**Sanzio Bassini**, CTO Director, Director of the CINECA Department Supercomputing Applications and Innovation.

In 2011 he was delegated by MIUR to represent Italy in the European e-infrastructure policy forum.

Since 2010 he has been a delegate voting member of the Council of PRACE - Partnership for advanced computing in Europe and of the Steering Board of ETP4HPC - European Technology Platform for High Performance Computing. Project Leader of EuroHPC Leonardo Italian Pre-Exascale infrastructure project.