Workshop

JRC and the Pisa Research Ecosystem:
Common Interests and Possible Collaborations
May 18, 2018
Sala Gerace - Largo B. Pontecorvo, 3 Pisa

Background
The city of Pisa hosts the University of Pisa and the two Grand École “Scuola Normale Superiore” and “SantAnna School of Advanced Studies” as well as the largest branch of the National Research Council (CNR), research centres of the National Institute for Nuclear Physics (INFN) and of the National Institute of Geophysics and Volcanology (INGV), and the European Gravitational Observatory (EGO). At present the interaction and collaboration between the University, Schools and Research Institutions in Pisa, and the JRC occur through RTD projects and other scattered initiatives (e.g. the atmospheric observatory located in the Natural Park of San Rossore in Pisa with the Unit C5 Air and Climate belonging to the JRC Directorate C – Energy, Transport and Climate).

Within the scope of boosting the European Research (ERA) and Educational Areas (EEA) as well as giving the development of regions the collaboration between JRC and the Pisa University, Schools and Research institutions could be enhanced through a coordinated approach on strategic educational, research and development areas and topics of common interest.

Scope and participants
The objective of the workshop is to identify collaborative topics of common interest and to discuss the procedure for the implementation of the cooperation between JRC and the University of Pisa as well as the Schools and the Research Institutions located in Pisa. In order to deepen the respective knowledge, initial contacts with Pisa were aimed at establishing a first list of macro-areas of common interest. This list is at the basis of the workshop and the objective is to present and discuss the macro-areas in more detail in order to create a preliminary list of topics for collaboration.

Structure
The workshop is structured into two roundtables regarding macro-areas of common interest (Bio-economy, Food, Nutrition and Health, and Energy, Environment and Climate) and two topics that are of interest to JRC and the Pisa Research Ecosystem, respectively. During each roundtable key topics will be shortly presented and discussed among the participants.

The final discussion will summarise the outcome of the roundtable/single presentations in order to confirm a first list of selected topics and to identify future steps for the implementation of the cooperation agreement.


Program

9:00 – 9:30 Welcome and meeting objectives
Prof. Paolo Maria MANCARELLA Rector of the University of Pisa
Prof. Monica BARRI Vice-President of the Tuscany Region
Prof. Francesco MARCELLONI Vice-Rector for International Cooperation and Relations of the University of Pisa
Dr. Maria BETTI Director of the Directorate G: Nuclear Safety and Security of JRC

9:30 – 9:50 General Presentation of the JRC
Dr. Charlina VIETCHEVA Deputy Director General JRC

9:50 – 11:00 General Presentation of University, Schools and Research Institutions in Pisa
Scuola Normale Superiore, Prof. Andrea FERRARA – Vice-Rector for Internationalization
Sant’Anna School of Advanced Studies, Prof. Ernesto CIARAMELLA – Rector Delegate
National Research Council, Dr. Domenico LAFORENZA – President of the Pisa Research Area
National Institute for Nuclear Physics, Dr. Marco GRASSI – Head of the Pisa Section
National Institute of Geophysics and Volcanology, Dr. Gilberto SACCOROTTI – Head of the Pisa Section
European Gravitational Observatory, Dr. Stavros KATSANEVAS – Director
University of Pisa, Prof. Lisandro BENEDETTO-CECCHI – Vice-Rector for European and International Research

11:00 – 11:15 Coffee Break

11.15 – 12.45 Roundtable and Discussion on Bio-economy, food, nutrition and health (Chairperson: Prof. Walter AMBROSINI)
Dr. Elke ANKLAM, Director of the Directorate F: Health, Consumers and Reference Materials, JRC
Dr. Giovanni DE SANTI, Director of the Directorate D: Sustainable Resources, JRC
Dr. Vincenzo LONGO, Institute of Agricultural Biology and Biotechnology, CNR
Prof. Mario Enrico PE, Dean of the Faculty of Experimental Sciences, Sant’Anna School of Advanced Studies
Prof. Claudio PASSINO, Institute of Life Sciences, Sant’Anna School of Advanced Studies
Prof. Manuela GIOVANNETTI Department of Agriculture, Food and Environment and Head of Nutrafood Interdepartmental Centre, University of Pisa
Prof. Alessandra BRACCA, Department of Pharmacy, University of Pisa
Prof. Tommaso LUZZATI, Department of Economy and Management, University of Pisa

Discussion

12.45 – 13.40 Presentation and Discussion on Critical Raw Materials
Dr. Giovanni DE SANTI, Director of the Directorate D: Sustainable Resources, JRC
Prof. Cinzia CHIAFFE, Department of Pharmacy, University of Pisa

Discussion

13.40 – 15.15 Presentation and Discussion on Artificial Intelligence (Chairperson: Prof. Gian Luigi FERRARI)
Dr. Stefano NATIVI, Unit B.6 Digital Economy, JRC
Dr. Elena CUOCO, European Gravitational Observatory
Prof. Piero CASTOLDI, Institute of Communication, Information and Perception Technologies, Sant’Anna School of Advanced Studies
Dr. Fabrizio FALCHI, Institute of Information Science and Technologies “Alessandro Faedo” CNR
Prof. Davide BACCIU, Department of Computer Science, University of Pisa
Prof. Francesco MARCELLONI, Department of Information Engineering, University of Pisa

Discussion

15:15 – 15:30 Coffee Break

15.30 – 17:00 Roundtable and discussion on Energy, Environment and Climate (Chairperson: Dr. Maria BETTI)
Dr. Maria BETTI, Director of the Directorate G: Nuclear Safety and Security, JRC
Dr. Giovanni DE SANTI, Director of the Directorate D: Sustainable Resources, JRC
Dr. Marcelo MASERA, Head of the Unit C.3 Energy Security, Distribution and Markets, JRC
Dr. Elisabetta VIGNATI, Head of the Unit C.5 Air Quality and Climate, JRC
Dr. Irene FIORI, European Gravitational Observatory
Prof. Ernesto CIARAMELLA, Institute of Communication, Information and Perception Technologies, Sant’Anna School of Advanced Studies
Dr. Maddalena PENNISI, Institute of Geosciences and Earth Resources, CNR
Dr. Gilberto SACCOROTTI, Head of the Pisa Section, INGV
Prof. Umberto DESIDERI, Head of the Department of Energy, Systems, Territory and Construction Engineering, University of Pisa
Prof. Lisandro BENEDETTO-CECCHI, Department of Biology, University of Pisa

Discussion

17.00 – 18.00 Final Discussion (Chairpersons: Dr. Emanuela BELLAN, Prof. Francesco MARCELLONI)

Final discussion on: a) key topics identified within the macro-areas of mutual interest; b) definition of method of work for the next steps (potentials for a cooperation agreement, text and legal aspects, technical activities, governance, etc.); c) assignment for the preparation of a short document on the cooperation proposal.