

FLORENCE 2016 INITIATIVE

Preliminary proposal

1- Proposed title

FLORENCE 1966-2016

RESILIENCE OF ART CITIES TO NATURAL CATASTROPHES: THE ROLE OF ACADEMIES

- the focus is on Florence (2016 will mark the 50th anniversary of the 'Great Flood') and on the involvement of the Academies of the world on the issue of resilience of art cities;
- the catastrophes to be considered are of 'natural' origin, hence the impact of events like floods, tsunamis, hurricanes, landslides, earthquakes and volcanic eruptions are included, whilst anthropogenic events, like pollution and war conflicts are excluded.

2- Organizing Committee

Alberto QUADRIO CURZIO (President of the Accademia Nazionale dei Lincei, Professor of Economics)

Michele CAPUTO (Professor of Geophysics and Chair of the Environmental Committee of Accademia dei Lincei)

Massimo LIVI BACCI (Professor of Demography - Univ. of Florence and Lincei Fellow)

Antonio PAOLUCCI (Director of the Vatican Museums and Lincei Fellow)

Mario PRIMICERIO (former Mayor of Florence and Lincei Fellow)

Giovanni SEMINARA (Professor of Fluid Mechanics - Univ. of Genoa and Lincei Fellow) *Coordinator*

Antonio SGAMELLOTTI (Professor of Inorganic Chemistry - Univ. of Perugia and Lincei Fellow) *Coordinator*

3- International Committee

Alberto QUADRIO CURZIO, President of the Accademia Nazionale dei Lincei

Mohamed H.A. HASSAN and Volker TER MEULEN, Co-chairs of IAP

Krishnan LAL, President of the Association of Academies and Societies of Sciences in Asia (AASSA)

Jos VAN DER MEER, President of the European Academies' Science Advisory Council (EASAC)

Mostapha BOUSMINA, President of Network of African Science Academies (NASAC)

Michael CLEGG and Juan ASENJO, Co-chairs of the Inter-American Network of Scientific Academies (IANAS)

Giovanni SEMINARA and Antonio SGAMELLOTTI, Coordinators of the Organizing Committee

4- Date

11 - 12 October 2016

5- Venue

Accademia Nazionale dei Lincei, Palazzo Corsini, Rome

6- Structure of the meeting

We propose the following structure of the meeting.

October 11 - Opening addresses

Alberto QUADRIO CURZIO, President of the Accademia Nazionale dei Lincei

Mohamed H.A. HASSAN and/or Volker TER MEULEN, Co-Chairs of IAP

Irina BOKOVA, Director-General of UNESCO

Giovanni PUGLISI, President of the Italian National Commission for UNESCO

October 11 - Morning session: introductory lectures

This session should be devoted to defining the main actors on stage.

The role of Conservation (possible speaker Antonio PAOLUCCI, Director of the Vatican Museums and Lincei Fellow)

The role of Engineering

The role of Science

The role of Economics

The role of the UN: Margareta WAHLSTRÖM, Special Representative of the General Secretary for Disaster Risk Reduction

The role of Governments: Dario FRANCESCHINI, Minister of Cultural Heritage, Italy

October 11 - Afternoon session: Florence 1966-2016

This session should be devoted to assessing the state of activities undertaken to reduce the risk of flooding in Florence and its implications for the conservation and promotion of the Florentine cultural heritage. In 2014 "Firenze 2016", a consortium of institutions jointly chaired by the Mayor of Florence, Dario NARDELLA, and the President of the Tuscany Region, Enrico ROSSI, was established with the scope to organize a series of initiatives in preparation of the 50th anniversary of the 1966 flood. In particular, "Firenze 2016" has nominated an International Technical and Scientific Committee (ITSC) to perform an 'independent assessment' of the effectiveness of the actions undertaken since 1966 to reduce the risk of flooding in Florence.

Florence 1966: images and stories not to forget (documentary by Franco Zeffirelli)

Florence after 1966: recovering (various contributions: Cristina ACIDINI, former Superintendent of Florentine Museums; Marco CIATTI, Director of the Opificio delle Pietre Dure, Florence)

Florence 2016: presentation of the final Report of ITSC by Gerard GALLOWAY (University of Maryland, Chair of the Committee)

Open issues arising from the final Report: Gunther BLÖESCHL (Vienna), Marcelo GARCIA (University of Illinois), Alberto MONTANARI (University of Bologna), members of ITSC

Presentation of the activities of the *Firenze 2016* consortium

October 12 - Morning session: further test cases from the rest of the world

October 12 - Afternoon session: further test cases from the rest of the world

Both of these sessions should cover a number of further test cases, to be chosen with the help of the participating academies and presented by fellows of the participating academies, so that:

- **Various typologies of risks** are covered, namely river floods (e.g. Rhine, Danube, etc.), earthquakes (e.g. Nepal, Japan, California, Chile, Iran, Turkey, Greece, etc), tsunamis (e.g. South of Asia, Japan), hurricanes (e.g. Katrina, Sandy, etc.), typhoons (e.g. Philippines, etc.), tidal floods (e.g. Venice), volcanic eruptions (e.g. Vesuvius and Pompeii);
- **Various impacts on art cities** are discussed: namely impact on conservation and economy;
- **Various experimented approaches to resilience** are considered (e.g. early warning systems, structural versus non structural measures, insurance systems, etc.).

October 12 - Closing session (with the participation of Matteo RENZI, Prime Minister of Italy)

Presentation of the ROME CHARTER FOR THE RESILIENCE OF CITIES OF ART, a statement of scientific and political relevance, whereby the Academies of the world address their respective governments, stressing and motivating the need to devote special attention to promoting the resilience of art cities, which should be considered as “non renewable resources”. A panel responsible for drafting the Charter should be nominated in due course. The draft will be approved by both the Organizing and the International Committees before the Conference.

Formal subscription of the Charter by UN and the participating Academies.