



**14-17 NOVEMBER 2023**

## **CALL FOR ABSTRACTS**

### **MARK THESE DATES!**

- |                        |   |
|------------------------|---|
| <b>1 December 2022</b> | <b><i>Abstract submission opening</i></b>                           |
| <b>20 March 2023</b>   | <b><i>Abstract Submission deadline</i></b>                          |
| <b>15 May 2023</b>     | <b><i>Notification of acceptance or rejection for abstracts</i></b> |

The abstract submission is only possible on-line. Abstracts submitted by other means or not compliant with the instructions will not be accepted.

Please carefully follow the instructions before submitting the abstract. The abstract will be online for review by the author until the submission deadline.

All submitted abstracts will be reviewed by the scientific committee after the submission deadline.

Acceptance will be notified to the presenting author within 15 May 2023.

**REGISTRATION TO THE CONGRESS OF THE PRESENTING AUTHOR IS MANDATORY BEFORE 30 AUGUST 2023.**

**IN CASE WE WILL NOT RECEIVE YOUR REGISTRATION WITHIN THIS DATE, YOUR ABSTRACT WILL BE WITHDRAWN.**

### **ABSTRACT PREPARATION**

- The following subdivision of abstract is **RECOMMENDED**: *Purpose, Methods, Results, Conclusions*. Please download and **use the template** available on the submission page
- The abstract must be written in English.
- Tables, graphics and references can be added if needed.
- Abstract length is limited to **500 words** (tables, graphics and references included).
- Abbreviations are not allowed in the title. if abbreviations are in the text, please write the full description when first used.
- For each submission, the preferred session should be selected as well as a second option, which will be considered in case the first session is cancelled, or if the submission will be evaluated not suitable for that session.

The logo for the 6th World Landslide Forum 2023 Florence Italy features a stylized skyline of various buildings in black, red, and yellow, set against a background of orange and blue topographic contour lines. Below the skyline, the text "6th WORLD LANDSLIDE FORUM" is written in a bold, black, sans-serif font, with "2023 FLORENCE ITALY" in a smaller font underneath.

**6th WORLD LANDSLIDE FORUM**  
2023 FLORENCE ITALY

**14-17 NOVEMBER 2023**

- When submitting their abstract, authors will be requested to indicate their preferred presentation type. Due to the final number of time slots allocated to each session, the submission of an abstract as an oral presentation does not actually guarantee that the presentation will be selected as such: in case a session receives a number of oral preferences higher than the available oral slots, the conveners will change some presentations to the e-poster typology.
- An individual may be the presenting author of only one poster and only one oral but is permitted to be a co-author of an unlimited number of abstracts. Presenting authors are expected to attend the congress and present their contribution. Authors who are unable to attend and give the presentation as scheduled, must notify the Organizing Secretariat and withdraw their abstract at [Session@wlf6.org](mailto:Session@wlf6.org)
- All speakers that are PhD students at the moment of abstract submission are eligible to take part in the “WLF6 PhD Award”, in which the best oral presentations held by a PhD student will be awarded with a parchment.
- Full papers of the selected abstracts by the theme coordinators and session conveners could be published in Landslides journal.

## **MAIN SESSIONS**

### **1. Kyoto Landslide Commitment for sustainable development**

- 1.1 INTERNATIONAL PROGRAMME ON LANDSLIDES
- 1.2 GLOBAL AND INTERNATIONAL ACTIVITIES FOR KLC2020
- 1.3 CASCADING MULTI-HAZARD RISKS: SUBMARINE LANDSLIDES, TSUNAMIS, AND IMPACTS ON INFRASTRUCTURES
- 1.4 LANDSLIDES AND SOCIETY: OPEN AND CITIZEN SCIENCE FOR CAPACITY DEVELOPMENT AND EDUCATION
- 1.5 ETHICAL, SOCIAL AND CULTURAL ASPECTS/IMPLICATIONS IN LANDSLIDE RISK MANAGEMENT
- 1.6 LOCATIONAL CITIZEN AND EXPERT LANDSLIDE RISK PERCEPTION AS MAJOR DRIVERS OF SUSTAINABLE LANDSLIDE RISK REDUCTION
- 1.7 CULTURAL HERITAGE THREATENED BY LANDSLIDES: FROM IN SITU INVESTIGATION TO SUSTAINABLE MITIGATION MEASURES
- 1.8 EARTH OBSERVATION TO PRESERVE NATURAL AND CULTURAL HERITAGE SITES THREATENED BY LANDSLIDES

### **2. Remote sensing, monitoring and early warning**

- 2.1 CASE STUDIES AND STATE OF THE ART ON LANDSLIDE MONITORING
- 2.2 INTEGRATED APPLICATION OF DEFORMATION MONITORING TECHNIQUES AND PROCESS ANALYSES OF DEEP-SEATED LANDSLIDES
- 2.3 PROACTIVE RISK MANAGEMENT BASED ON INNOVATIVE MONITORING METHODS
- 2.4 MULTIPLATFORM AND MULTISENSOR APPLICATIONS FOR LANDSLIDES CHARACTERIZATION AND MONITORING
- 2.5 GEOPHYSICAL IMAGING, CLOSE-RANGE SENSING AND GEOMODELLING OF LANDSLIDE PROCESSES
- 2.6 INCREASING SOCIO-ECONOMIC INFRASTRUCTURE RESILIENCE TO LANDSLIDES WITH GEOPHYSICAL AND REMOTE SENSING METHODS
- 2.7 INVESTIGATION OF MASS MOVEMENTS IN ALPINE ENVIROMENTS WITH REMOTE SENSING METHODS
- 2.8 EARTH OBSERVATION DATA FOR LANDSLIDE PREDICTION AND RISK ASSESSMENT
- 2.9 PAST, PRESENT AND FUTURE OF SATELLITE INTERFEROMETRY FOR LANDSLIDES
- 2.10 SOIL MOISTURE AND RAINFALL MEASURED THROUGH REMOTE SENSING FOR MONITORING AND PREDICTING LANDSLIDES
- 2.11 ENHANCEMENTS IN LANDSLIDE DATA ANALYSIS FOR IMPROVED UNDERSTANDING, FORECASTING AND EARLY WARNING SYSTEMS
- 2.12 LANDSLIDE EARLY WARNING SYSTEMS: INNOVATIONS AND APPLICATIONS

The logo for the 6th World Landslide Forum 2023 Florence Italy features a stylized cityscape with various buildings in red, yellow, and black, set against a background of orange and blue topographic contour lines. Below the cityscape, the text "6th WORLD LANDSLIDE FORUM" is written in a bold, sans-serif font, with "2023 FLORENCE ITALY" in a smaller font underneath.

**6th WORLD LANDSLIDE FORUM**  
2023 FLORENCE ITALY

**14-17 NOVEMBER 2023**

**3. Testing, modeling and mitigation techniques**

- 3.1 RECENT ADVANCEMENT IN LABORATORY AND IN-SITU TESTING METHODS FOR LANDSLIDE AND SLOPE ANALYSES
- 3.2 NATURAL FIELD LABORATORIES ON LANDSLIDES
- 3.3 RECENT ADVANCEMENT ON SLOPE STABILITY AND DEFORMATION ANALYSIS
- 3.4 PHYSICAL AND NUMERICAL MODELLING OF LANDSLIDE-STRUCTURE-INTERACTION (LSI)
- 3.5 ROCK FALLS AND ROCK AVALANCHES
- 3.6 LANDSLIDES PREDICTION: ADVANCED TECHNIQUES AND ALTERNATIVE DATA SOURCES FOR UNCERTAINTY ASSESSMENT AND REDUCTION
- 3.7 RECENT ADVANCEMENTS IN LANDSLIDE AND DEBRIS FLOW MITIGATION TECHNIQUES
- 3.8 GEOSYNTHETICS FOR SLOPE STABILIZATION
- 3.9 GEOTECHNICAL MITIGATION OF LANDSLIDE HAZARD THROUGH NATURE-BASED SOLUTIONS (NBS)

**4. Mapping, hazard, risk assessment and management**

- 4.1 REGIONAL AND GLOBAL LANDSLIDE INVENTORIES: PARAMETERS AND PRINCIPLES OF COMPILATION
- 4.2 SPATIAL LANDSLIDE ASSESSMENTS AND BEYOND: NEW CHALLENGES IN MAPPING, MODELLING, VALIDATION AND SCENARIO BUILDING
- 4.3 WEAK POINTS IN LANDSLIDE SUSCEPTIBILITY MODELLING
- 4.4 SHALLOW LANDSLIDES: MONITORING, MODELING, PREDICTING
- 4.5 ROCKFALL DATA: COLLECTION METHODS, ANALYSIS AND USE FOR HAZARD AND RISK ASSESSMENTS
- 4.6 LANDSLIDES IN URBAN ENVIRONMENTS
- 4.7 LANDSLIDE HAZARD AND RISK IN SUBDUCTION ZONES
- 4.8 LANDSLIDE IMPACTS, VULNERABILITY AND QUANTITATIVE RISK ASSESSMENTS OF PEOPLE, COMMUNITIES, STRUCTURES, AND INFRASTRUCTURE
- 4.9 LAND USE AND SLOPE MANAGEMENT PRACTICES WITH LANDSLIDE OCCURRENCE: PAST, RECENT AND FUTURE CHALLENGES AND ADAPTATION STRATEGIES
- 4.10 LANDSLIDE RISK MANAGEMENT: THE CHALLENGES OF TRANSDISCIPLINARY RESEARCH IN DATA-SCARCE ENVIRONMENTS
- 4.11 ASSESSING GEOHAZARDS OF SUBMARINE LANDSLIDES: WHERE ARE WE? AND WHAT ARE WE MISSING?

**5. Climate change, extreme weather, earthquakes and landslides**

- 5.1 LANDSLIDES AND CLIMATE CHANGE: PROCESSES, TRENDS, CHALLENGES AND PERSPECTIVES
- 5.2 LANDSLIDES IN THE COLD REGIONS AND EXTREMES
- 5.3 TOWARDS A HOLISTIC UNDERSTANDING OF LANDSLIDE-INDUCED DISASTER CASCADES IN THE HIMALAYAS
- 5.4 WILDFIRE, EROSION AND LANDSLIDE IN THE FRAMEWORK OF GLOBAL WARMING: CIVIL PROTECTION AND LAND MANAGEMENT AIMED AT MITIGATION OF EFFECTS ON SLOPES INDUCED BY EXTREME EVENTS
- 5.5 ADVANCES IN EARTHQUAKE-INDUCED LANDSLIDE RESEARCH
- 5.6 LANDSLIDES, EARTH DAM AND LEVEE FAILURES DURING RECENT EXTREME PRECIPITATION EVENTS
- 5.7 TIMESCALES IN EVOLVING LANDSCAPES AFFECTING LANDSLIDE HAZARD AND RISK

**6. Progress in landslide science and applications**

- 6.1 ADVANCES IN UNDERSTANDING AND MODELLING THE INTERNAL AND SURFACE DEFORMATION OF LANDSLIDES
- 6.2 GEOELECTRICAL SURVEYING IN LANDSLIDE RESEARCH: ADVANTAGES, LIMITATIONS AND NEW OPPORTUNITIES
- 6.3 WEB PLATFORMS AND CLOUD SERVICES FOR LANDSLIDE APPLICATIONS: FROM REAL-TIME DATA VISUALISATION TO EVENT FORECASTING
- 6.4 MACHINE LEARNING APPLICATIONS IN LANDSLIDE SCIENCE

A stylized city skyline logo featuring various buildings in red, black, and yellow, set against a background of orange and blue topographic contour lines.

**6th WORLD LANDSLIDE FORUM**  
2023 FLORENCE ITALY

**14-17 NOVEMBER 2023**

- 6.5 HYDROLOGICAL MONITORING, MODELLING, AND ANALYSIS OF RAINFALL-INDUCED LANDSLIDES
  
- 6.6 ADVANCES IN UNDERSTANDING, QUANTIFYING AND MODELING THE CONTRIBUTION OF PLANTS TO SLOPE STABILITY
  
- 6.7 4D HIGH-RESOLUTION TOPOGRAPHIC SURVEYS TO SUPPORT THE ANALYSIS OF SLOPE INSTABILITY PROCESSES IN HIGH-STEEP SLOPE AGRICULTURAL AND FORESTED LANDSCAPES
  
- 6.8 LANDSLIDES IN SUBAERIAL AND SUBAQUEOUS VOLCANIC ENVIRONMENTS
  
- 6.9 LANDSLIDE STUDIES IN ITALY: STATE OF THE ART AND FUTURE PERSPECTIVES