



Earth Observation based technologies and their application in the management of natural hazards

Dissemination and Training workshop



19-22 January 2015, Universidad de Costa Rica, San José

<http://www.lampre-project.eu/>

Geohazards are natural and man-made phenomena that make the ground unstable, instabilities which, in a built-up environment or areas which contain infrastructures, can be both costly and dangerous.

The European project Lampre has developed new techniques and products for an improved method for the detection and mapping of landslides, as well as the assessment of the impact of triggered landslide events on vulnerable elements. Lampre products provide the community of experts with innovative tools that contribute to the reduction of risks.

Objectives of the event:

- To provide information about the Lampre project and its products.
- To demonstrate and discuss different Earth Observation (EO) based technologies and explain how they can contribute to improving the management of natural risks in the Central and South American region.
- To provide training for professionals showing how data from satellite images, as well as probabilistic models, can be processed and interpreted for an improved mapping of the risk associated with landslides and ground motion.

This event will be divided into a dissemination day (Monday 19 January) and a training course (Tuesday 20, Wednesday 21 and Thursday 22)



Contents:

Monday 19 January 2015

Dissemination Day

- Presentation of Lampre Project: objective and study areas
- Technology developed within the Lampre Project
- Remote sensing techniques for landslides
- Lampre products
- Remote sensing techniques for other natural hazards

Tuesday 20 – Wednesday 21 – Thursday 22 January 2015

Training Course

- Day 1: Generation of landslides inventory maps and susceptibility indexes
- Day 2: Radar interferometry for detecting ground motion
- Day 3: Interpretation of ground motion measures and practical cases on the generation of landslide inventories for the Costa Rica area

Who is this for?:

This event is aimed at all professionals working within the management of natural disasters (authorities, institutions and commissions), responsible for the natural risks in the Central and South American region, as well as researchers and geologists who are experts in the data management in the context of natural disasters.

Date and Venue:

From 19th to 22nd January 2015

Universidad de Costa Rica, San José (further meeting details will be sent with registration)

Registration:

In order to register, please complete the registration form at the end of this invitation and send it to:

Maite Garcia

Lampre Dissemination Leader

maite.garcia@altamira-information.com

Registration is free.



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REGISTRATION FORM

a) Contact details

Name: _____
Surname: _____
Position: _____
Organisation: _____
Telephone nr: _____
Email: _____

Attendance

Please indicate the days you would like to attend:

Monday 19/01/15 Tuesday 20/01/15 Wednesday 21/01/15 Thursday 22/01/15

b) Comments and suggestions

Please let us know any items related to Earth Observation technologies for the management of natural risks that you would like to discuss in the event:

Other comments and suggestions:

Please send this registration form **no later than 12th January 2015** to:

Maite Garcia maite.garcia@altamira-information.com