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# CRIET Incontra *2019*

**CRIET Incontra è l'attività del Centro di Ricerca Interuniversitario in Economia del Territorio che si propone di far confrontare, su una serie di tematiche di primario interesse per lo sviluppo territoriale, gli studiosi con i decisori delle imprese e delle istituzioni, le idee con i fatti, le teorie con le pratiche. Tramite CRIET Incontra studiosi, esponenti delle maggiori istituzioni pubbliche e private in Italia, mettono a disposizione le loro conoscenze e i risultati dei progetti di ricerca per poter dare un apporto significativo allo sviluppo sostenibile del territorio, e presentarsi come supporto operativo per lo sviluppo delle economie locali.**

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## Triggered Seismicity and tsunamis. Towards scientific research improvements.

**MILANO, 15 febbraio 2019**
**UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA**
**Aula De Lillo, Edificio U7**
**Via Bicocca degli Arcimboldi 8, Milano**

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**SEDE INTERUNIVERSITARIA**
**Università di Milano-Bicocca, Edificio U7**
**Via Bicocca degli Arcimboldi 8 - 20126 Milano**

# Triggered Seismicity and tsunamis. Towards scientific research improvements.

The international scientific workshop about "Triggered Seismicity and tsunamis – towards scientific research improvements" will be held at the University of Milan "Bicocca". The event will be an important occasion to share the state of the knowledge about the triggered seismicity and to define the possible future improvements of the scientific approach on this topic.
Starting by the presentation of the results of the first phase of SPOT project "Potentially triggerable offshore seismicity and tsunami", a scientific dialogue will be promoted between international experts from the Massachusetts Institute of Technology, the Institute of Geophysics of the Polish Academy of Sciences, the German Research Centre for Geosciences, the National Geophysical Research Institute of India and several technical specialists in order to draw the future perspective of this scientific field.
The SPOT project is realized in the framework of the Network CLYPEA of the DGS UNMIG, Italian Ministry of Economic Development, with the technical support of the Department of Civil Protection and in collaboration with four of the main Italian research institute (INGV, CNR ISMAR, RELUIS and EUCENTRE).

Per informazioni scrivere a
**criet.incontra@unimib.it**

# Programma

**9.00** **Registration**

**9.30** **Welcome and introduction**

**9.45** **Potentially Triggered Offshore Seismicity and Tsunami (SPOT): a project of the Italian Ministry of Economic Development for safe hydrocarbon production in the Italian offshore**
Daniela Di Bucci
*Technical Advisor of the project - National Civil Protection Department*

**Seismogenic faults near Italian offshore oil&gas platforms, possible ruptures and generated tsunamis**
Mauro Coltelli
*Researcher at INGV Italian National Institute of Geophysics and Volcanology*

**Morphological and stratigraphical characterization of submarine tsunamigenic landslides and tectonic structures**
Andrea Argnani
*Researcher at ISMAR National Research Council*

**SPOT Project. Consequences of earthquake scenario events**
Barbara Borzi
*Researcher at EUCENTRE European Centre for Training and Research in Earthquake Engineering*

**Preliminary study on the tsunami vulnerability of Italian coast residential constructions**
Andrea Prota
*Researcher at ReLUIS Laboratories University Network of Seismic Engineering*

**11.00** **Coffee Break**

**11.30** **The research funded by the European Union for induced/triggered seismicity in the exploitation of georesources: SHEER and S4CE**
Paolo Capuano
*Professor at University of Salerno*

**12.00** **ENI approach to seismicity**
Stefano Mantica
*Geomechanical and Modelling Advisor at ENI SpA*
Marco Mileti
*Italy Activities coordinator at ENI SpA*

**12.30** **Triggered and induced seismicity: operational constraints in need of new computational models**
Ruben Juanes
*Professor at MIT Massachusetts Institute of Technology*

**13.00** **Light Lunch**

**14.30** **Analysis and interpretation of induced and triggered seismicity related to fluid injection or extraction**
Torsten Dahm
*Professor at German Research Centre for Geosciences*

**15.00** **Dams and Triggered seismicity**
Harsh Gupta
*Professor at National Geophysical Research Institute of India*

**15.30** **Innovative solutions for tracking fluid-driven seismicity and medium changes in offshore oil-gas exploitation areas**
**Aldo Zollo**
*Professor at Federico II University of Naples*

**16.00** **Final discussion and conclusions**