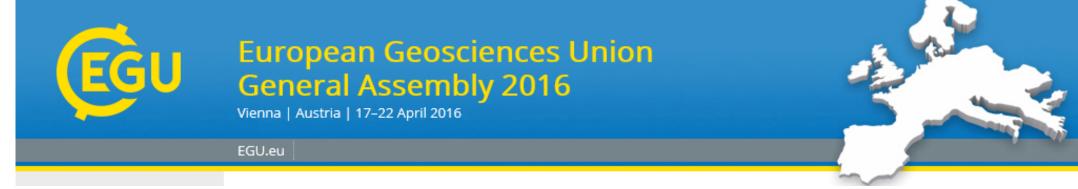


# The role of ethics and deontology is essential must be reinforced in geosciences. Focus natural hazards and catastrophic risk



#### Marga Zango-Pascual

Area: Environmental Technologies. Department: Chemical, Physical and Natural Systems. Universidad Pablo de Olavide, Seville, Spain. mzanpas@upo.es

To analyze of portions benefit society and provided and the provided and t

### SENDAY FRAMEWORK FOR DISASTER RISK REDUCTION 2015-2030

There is a need for focused action within and across sectors by States at local, national, regional and global levels in the following four priority areas

- 1. Understanding disaster risk
- 2. Strengthening disaster risk governance to manage disaster risk
- Investing in disaster risk reduction for resilience
   Enhancing disaster preparedness for effective response, and to "Build Back Better" in recovery, rehabilitation and reconstruction

PLACES, BECAUSE OF THEIR UNIVERSAL NATURE.

ethical principles mostly concern individuals, but in some cases may also apply corporate bodies, although ethical concerns have a more natural link with personal law than institutional law.

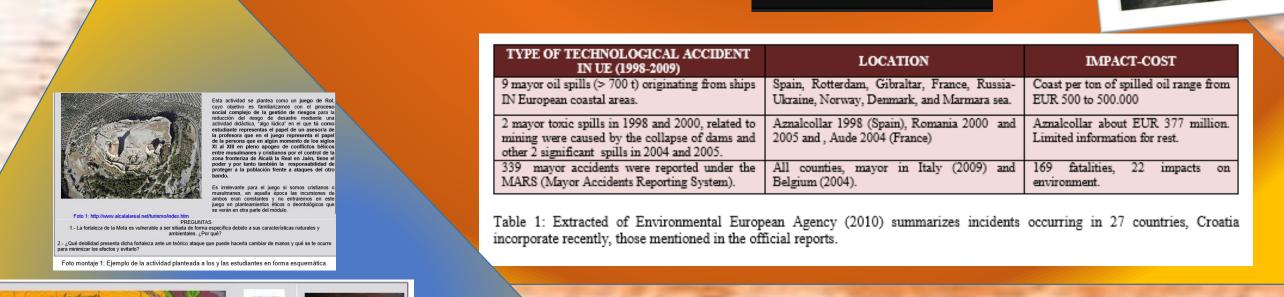
DISASTERS DO NOT CAUSE FUNDAMENTAL
HUMAN RIGHTS TO VANISH.
HUMAN RIGHTS CANNOT BE IGNORED UNDER
THE DECEPTIVE PRETEXT OF EXCEPTIONAL
CIRCUMSTANCES.

IN THIS CONTEXT ETHICS IS A IMPORTANT PART OF SOLUTIONS

IT'S POSSIBLE ETHICS EXPLAIIN
IN GEOSCIENCES, IT'S
NECESSARY

EXAMPLE IN SPAIN . LEVEL DEGREE

ETHICS IS ESENTIAL BUT NOT IS CONTEMPLATE USUALLY IN UNIVERSITY PROGRAMME



THESE ETHICAL PRINCIPLES THEREFORE
RELATE NOT JUST TO DIRECT LOCAL
VICTIMS, BUT ALSO TO ALL PARTIES
INVOLVEDN IN DISASTER RESPONSE, AT ANY
TIME AND I ANY PLACE



## Paleodeslizamiento

PRACTICES TAKEN INTO

### outcome of the Millennium Summit. 2 December 2004. United Nations. General Assembly

#### REFERENCES

- ✓ A/59/565. A more secure world: our shared responsibility Report of the High -level Panel on Threats, Challenges and Change. Fifty -ninth session Agenda item 55 Follow up to the outcome of the Millennium Summit. 2 December 2004. United Nations

  ✓ EEA (Environmental European Agency) (2010). EEA Technical Report nº13/2010. Mapping the impacts of natural hazard and technological accidents in Europe 1998-2009. An overwide of the last decade. 144 pp. ISSN 1725-2237.
- ✓ IGME: Mapa Geológico de España. E.1:50.000 Hoja 990 (MAGNA50). Alcalá La Real. Enrile Albir, A., López Olmedo, F.L., Díaz de Neira, J.A., Hernáiz Huerta, P.P. (1992)

  ✓ Lemarchand, G. A. 1990ª. Juramento Hipocrático para Científicos en la Sociedad Moderna, Simposio de Ética en la Situación Contemporánea, Buenos Aires, UNESCO-ROSTLAC, Universidad de San Pablo. Publicado como: A Hippocratic Oath for Scientists in Modern Society, Bolletino USPID, vol. 7(1): 113-123, (1990).

  ✓ Zango-Pascual, Marga, et al (2010). Análisis de aspectos singulares en la ley 26/2007 de Responsabilidad Medioambiental y su Reglamento. Tratamiento de los riesgos naturales como sucesos iniciadores. Congreso Nacional de Medio Ambiente, Spain. 30 pp. ISBN 978-84-6146112-7.

modelo digital del terreno de la zona (oficina turística de la Fortaleza); corte geológico mostrando la

estructura de los materiales, foto de las calcarenistas bioclásticas en que se localiza la fortaleza y

eyenda del mapa geológico. Fuentes: IGME y fotos de la autora

- ✓ Zango-Pascual, Marga. (2011). La Gestión Integral de los Riegos Naturales en el marco de los Derechos Humanos de Tercera Generación. El caso de los efectos inducidos por la sismicidad en El Salvador (Centroamérica). Doctoral Thesis. Universidad Pablo de Olavide, Seville, 530 pp

  ✓ Zango-Pascual, M. (2012), El papel de la mujer en la trasmisión de valores y competencias en la Reducción de Riesgos de Desastres. ¿Se trata de un rol diferente o peculiar? Algunas reflexiones. 5 pp. CONFERENCIA VIRTUAL IBEROAMERICANA SOBRE: LA MUJER EN LA REDUCCIÓN DE DESASTRES. (2012) Disponible en línea: <a href="http://www.proteccioncivil.org/catalogo/guiastecnicas/conference">http://www.proteccioncivil.org/catalogo/guiastecnicas/conference</a>
- ✓ Zango-Pascual, M, 2014; Marin Hidalgo, I and Asensio Barragán, C., "Specific vulnerability as a result of science and technology not being integrated into International Cooperation Development policies. Here in the case of the earthquake in Haiti on 12th January 2010." Proceeddings 5th International Disaster and Risk Conference IDRC Davos 2014. 4pp. https://idrc.info/archive/idrc-davos-2014/outcomes/conference-proceedings)
- ✓ Zango-Pascual, Marga (2014). "Opportunities and weaknesses in the application of science and technology in DRR with a view to improving Governance. A case study. European legislation on Environmental Liability." Proceedings 5th International Disaster and Risk Conference IDRC Davos 2014. 4pp.
- Zango-Pascual, Marga (2014). Las técnicas de Rol y el análisis de situaciones complejas reales para potenciar la capacidad de integrar conocimientos y aspectos éticos en disciplinas complejas. El caso del asedio a la Fortaleza de la Mota, Alcalá la Real (Jaén) como medio del aprendizaje comprensivo en Gestión de Riesgos y Reducción de Desastres. I Seminario Iberoamericano de Innovación Docente.

  5pp, ISBN 84-697-2223-9
  - ✓ UNISDR. (2013). Global Assesment Report on Disaster Risk Reduction 2013. From Shared Risk to Shared Value: The Bussiness case for Disaster Risk Reduction.