

**Performance of WRF Model in México
and its possible use for natural disasters mitigation**

Angel R. Meulenert, Andrés L. Rodríguez, Faustino O. García
ameulene@astro.iam.udg.mx, andresr@astro.iam.udg.mx

UNIVERSITY OF GUADALAJARA, MÉXICO

This project aims to develop a grid computing infrastructure to integrate a Mexican national platform in a joint effort of LA Grid universities to simulate natural disasters and study and prevent how to mitigate their damages. The Grid may be associated with previous works where the idea is to gather information from the Mexican territory and use as a first step the WRF models, the expertise of the staff at the Institute of Astronomy and Meteorology to interpret the results and weather forecasts. A technology transfer and adaptation from the current LA Grid disaster mitigation team is envisioned and efforts from the Mexican universities to overcome the technological challenges and to support development of the human resource skills.