## 3.8「近年の日伊土砂災害技術協力」

国総研危機管理技術研究センター長

後藤 宏二



10 years collaboration between Italy and Japan for sedimentrelated disaster prevention

## Kouji GOTO

National Institute for Land and Infrastructure Management (NILIM) Ministry of Land, Infrastructure, Transport and Tourism (MLIT)

















## Post-event documentation and clarification of generating mechanisms of flash flood

- Climate change is expected to increase the risks of flash floods and the management of them is critical component of public safety and quality of life both in Japan and Italy.
- Both PWRI and CNR-IRPI have been involved in the post-event surveys and documentations vigorously in their own territories.
- In the activities of the Project HYDRATE of the 6<sup>th</sup> European Framework Programme in which CNR-IRPI has participated as contractor and PWRI as observer, the experiences in Japan and Europe were exchanged.





## Application of Ground-based Synthetic Aperture Radar (SAR) to the lava dome of Mt. Unzen, Japan

PWRI and Unzen Restoration Office, MLIT are now trying to apply this technique to monitor the lava dome, which is still deforming and posing a serious risk to the community.



The results of the first field test have been jointly presented in the annual meeting of the Japan Society of Erosion Control Engineering, Yokohama in May 2011.



