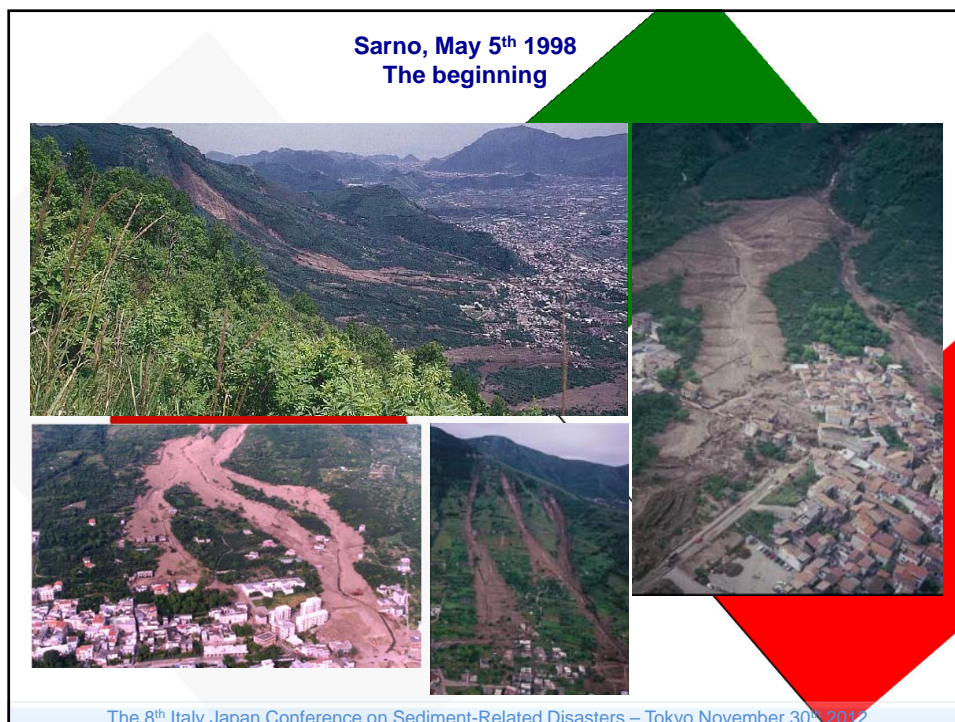
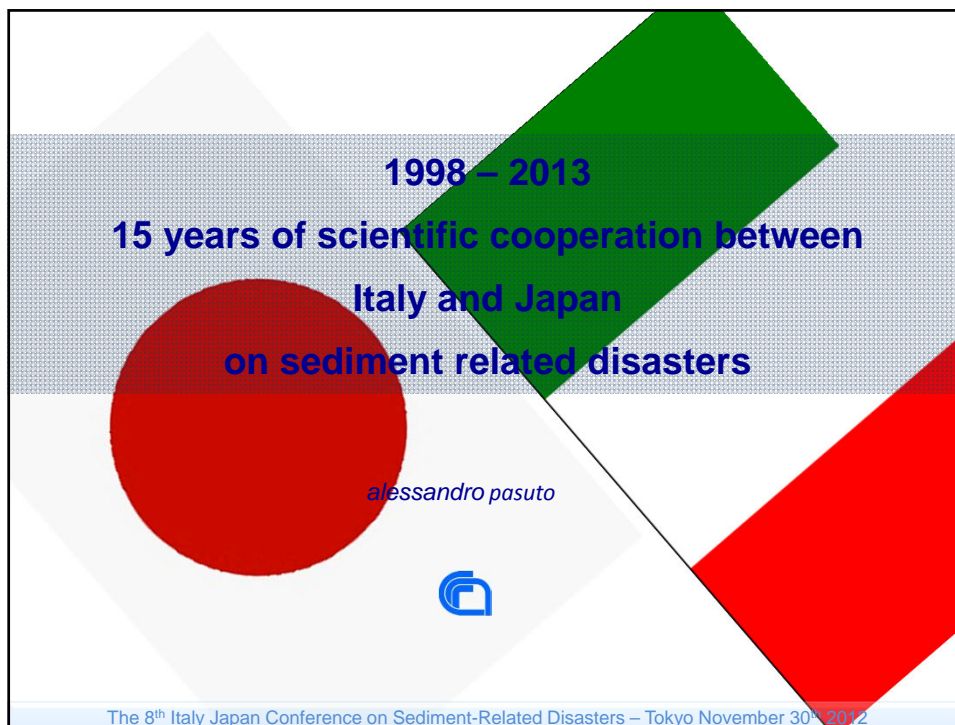


### 3.7 「15 年間ににおける土砂災害 に関する日伊科学技術協力」

水文地質防災研究所パドヴァ支部研究所長

アレッサンドロ・パースト



### The main Japanese actors ...



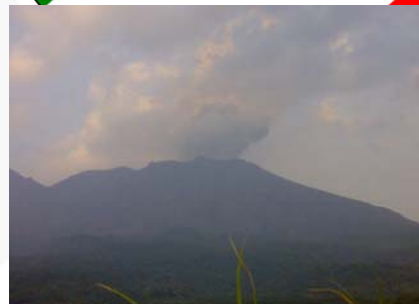
The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

### ... and the Italian one



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**1999 November 1<sup>st</sup> - 5<sup>th</sup> Tokyo, Kagoshima,  
1<sup>st</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2000 October 18<sup>th</sup> - 20<sup>th</sup> Venice, Dolomites  
2<sup>nd</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012



**2002 April 8<sup>th</sup> - 12<sup>th</sup> Tokyo, Hiroshima  
3<sup>rd</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2003 October 9<sup>th</sup> Longarone  
Opening of GRJL and 40<sup>th</sup> Anniversary of Vajont slide**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2004 May 20<sup>th</sup> – 22<sup>nd</sup> Naples, Salerno  
4<sup>th</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2004 May 25<sup>th</sup> Riva del Garda  
Signatures of the Cooperation Agreement**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

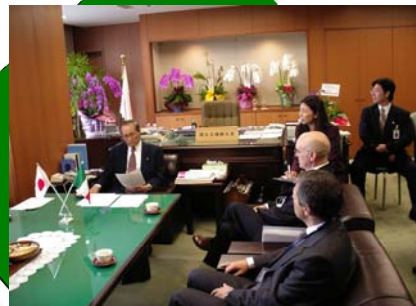


**Longarone, September 6<sup>th</sup> 2004  
Visit of the Minister ISHIHARA**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2006 October 30<sup>th</sup> – November 3<sup>rd</sup> Tokyo, Niigata  
5<sup>th</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2007 May 29<sup>th</sup> Tokyo**  
**Italy – Japan Symposium on Crisis Management of Natural Disasters**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2008 May 23<sup>rd</sup> - 26<sup>th</sup> Umbria, Rome**  
**6<sup>th</sup> Joint Conference**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012



**2008 November 17<sup>th</sup> – 21<sup>st</sup> Tokyo, Tatukuba  
Visit of the Umbria Region delegation**



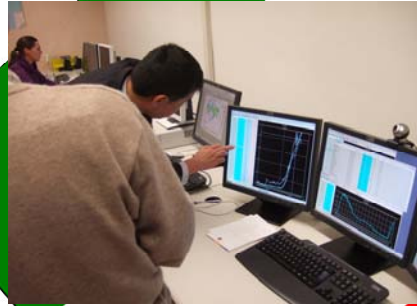
The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

**2009 October 27<sup>th</sup> – 30<sup>th</sup> Tokyo, Kagoshima  
Symposium on Risk Management and Governance to cope with Natural Disasters**



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

2010 November 15<sup>th</sup> – 18<sup>th</sup> Venice, Carnian Alps  
7<sup>th</sup> Joint Conference



The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

Results: *Formal Meetings*

1998	First visit of a Japanese delegation in Italy	
1999	<b>1<sup>st</sup> Conference</b>	Tokyo, Kagoshima
2000	<b>2<sup>nd</sup> Conference</b>	Venice, Dolomites
2002	<b>3<sup>rd</sup> Conference</b>	Tokyo, Hiroshima
2003	40° Vaiont e opening GRJL	Longarone
2004	Visit of Minister ISHIHARA	Longarone
2004	<b>4<sup>th</sup> Conference</b>	Naples, Salerno
2004	Signing of MoU	Riva del Garda
2006	<b>5<sup>th</sup> Conference</b>	Tokyo, Niigata
2007	Symposium on Crisis management of Natural Disasters	
2008	<b>6<sup>th</sup> Conference</b>	Umbria, Rome
2008	Visit of Umbria Region delegation	Tokyo
2009	Symposium on Risk Management and Governance to cope with Natural disasters	
2010	<b>7<sup>th</sup> Conference</b>	Venice, Carnian Alps

The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

### **Results: Joint Publications on scientific journals**

Asai, K., Fujisawa, K., Nishimoto, H., Miyajima, K., Noda, T., Mizai, K., Pasuto, A., Marcato, G., 2005. Joint Research by Japan and Italy Concerning Landslide Monitoring Technologies. Proc. 44<sup>th</sup> Meeting Japan Landslide Society, Sasebo 26-31 August 2005, pp.361-364, (in Japanese).

Higuchi, K., Nomura, Y., Asai, K., Fujisawa, K., Pasuto, A., Marcato, G., Fukusaka, F., Iwao, T., 2005. Development of landslide displacement detection sensor using an optical fiber in the OTDR method. Proc. 44<sup>th</sup> Meeting Japan Landslide Society, Sasebo 26-31 August 2005, pp.315-318, (in Japanese).

Reichembach, P., Tagliavini, F., Guzzetti, F., Pasuto, A., Fujisawa, K., 2005. Valutazione preliminare della pericolosità da frana nell'area del M. Salta (Prealpi Friulane), con particolare riferimento ai fenomeni di crollo. Giornale di Geologia Applicata, 2, 7-12.

Fujisawa, K., Kamihara, N., Marcato, G., Pasuto, A., 2006. One example of Road Tunnel Route Modification caused by Landslide. Proc. International Seminar on Risk Management for Roads. April 26-28, Hanoi, Vietnam.

Higuchi, K., Fujisawa, K., Asai, K., Pasuto, A., Marcato, G. 2007. Application of new landslide monitoring technique using optical fiber sensor at Takisaka Landslide, Japan. In: V.R. Schaefer, R.L. Schuster, A.K. Turner, Conference Presentations, First North American Landslide Conference, Vail, Colorado, AEG Special Publication No. 23 (ISBN 978-0-975-4295-3-2) (on CD-Rom).

Marcato, G., Fujisawa, K., Mantovani, M., Pasuto, A., Silvano, S., Tagliavini, F., Zabuski, L., 2007. Evaluation of seismic effects on the landslide deposits of Monte Salta (Eastern Italian Alps) using distinct element method. Nat. Hazards Earth Syst. Sci., 7, 695-701.

Fujisawa, K., Marcato, G., Nomura, Y., Pasuto, A., 2010. Management of typhoon-induced landslides in Otomura (Japan). Geomorphology, 124, 150-156.

The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012

### **Results: Oral and poster presentations at International Conferences**

6<sup>th</sup> International Conference on Geomorphology, Zaragoza, Spain 2005

44<sup>th</sup> Meeting Japan Landslide Society, Sasebo, Japan 2005

National Meeting of Italian Association of Applied Geology, Bari, Italy 2005

PIARC, International Seminar on Risk Management for Roads, Ha Noi, Vietnam 2006

The 2<sup>nd</sup> International Workshop on Opto-electronic Sensor-based Monitoring in Geo-engineering, Nanjing, China 2007

1<sup>st</sup> North American Landslide Conference, Vail, Colorado 2007

European Geosciences Union, General Assembly, Vienna, Austria 2006, 2008

The 8<sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30<sup>th</sup> 2012



<b>Results: Long/short term mobility and technical visits</b>		
MIZUNO	Salerno, Trento	Oct. 1999 - Sept. 2000
BOVOLIN	Tsukuba	May – Aug. 1999
BOVOLIN and PASUTO	Research Award for Foreign Specialists Tsukuba, Hokkaido	Feb. 2001
MIZUNO and TERADA	Padova, Dolomites	
KAMEE, SUGIURA, TOMOMATSU et al.	Eastern Alps	Oct. 2003
MARCATO	Tsukuba	Aug. 2004, Oct. – Nov. 2006
FUJISAWA	Italian Dolomites	Oct. 2004
MARCATO and PASUTO	Meeting with NTT, Tokyo	Aug. 2005
MARCATO and PASUTO	Tokyo, Kobe	Jan. 2006
MARCATO and PASUTO	Gifu, Niigata	Sept. 2006
ISHI, KODA, NOMURA	Italy and Spain	Sept. 2005
MARCATO and PASUTO	Ishinomaki	Oct. 2012
.....		
The 8 <sup>th</sup> Italy Japan Conference on Sediment-Related Disasters – Tokyo November 30 <sup>th</sup> 2012		