

# Progetto DPC-INGV S4

## UR5 UNI-BAS

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## Task 4- Individuazione di stazioni e di registrazioni anomale

Anomalie di risposta legate all'interazione con strutture

# Application of horizontal-to-vertical (H/V) Fourier spectral ratio for analysis of site effect on rock (NEHRP-class B) sites in Taiwan

Vladimir Yu. Sokolov<sup>a,\*</sup>, Chin-Hsiung Loh<sup>b</sup>, Wen-Yu Jean<sup>c</sup>

Soil Dynamics and Earthquake Engineering 27 (2007) 314–323

Analysis of the H/V ratios can allow recognizing unusual effects in site amplification, such as influence of nearby building. We suggest performing such analysis for all stations of TSMIP network classified as B (rock) and, probably, as C (soft rock) sites.

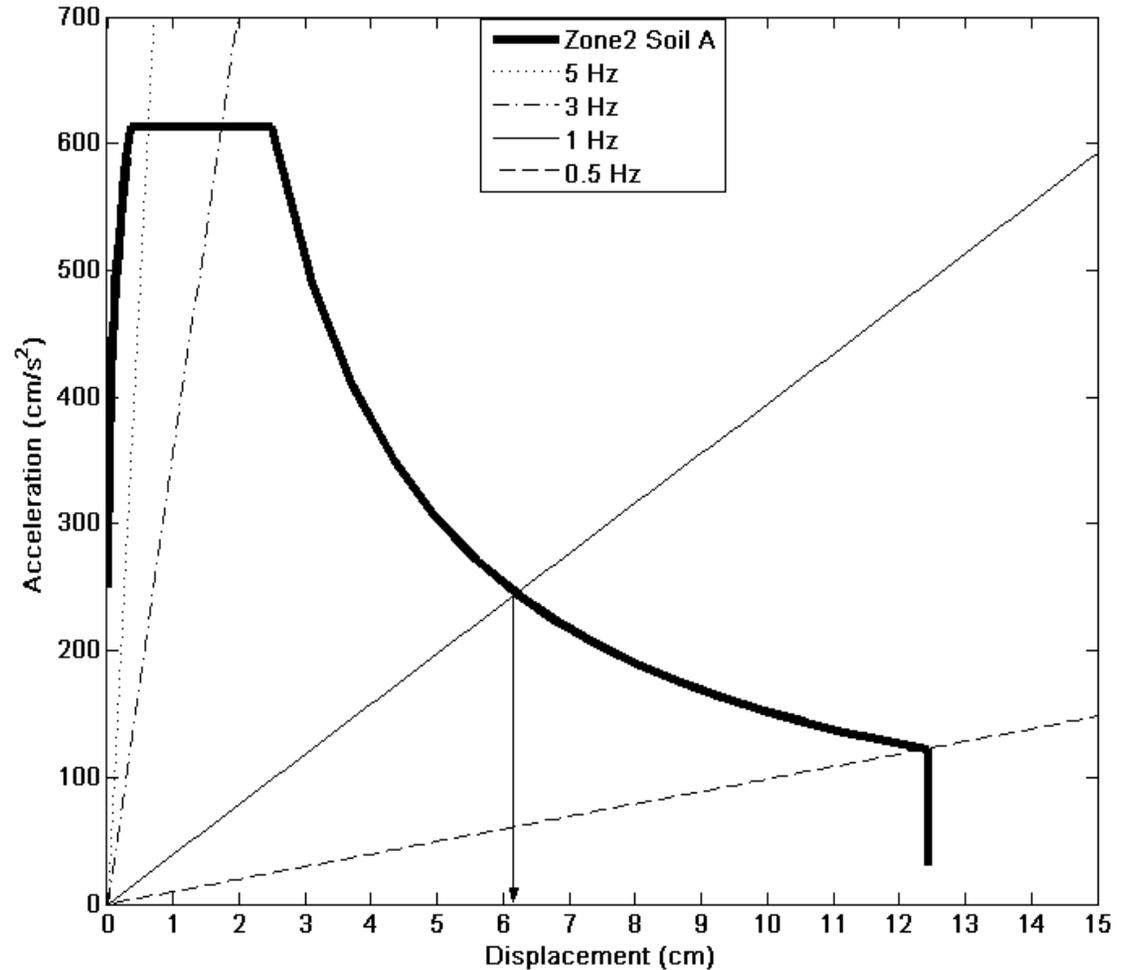
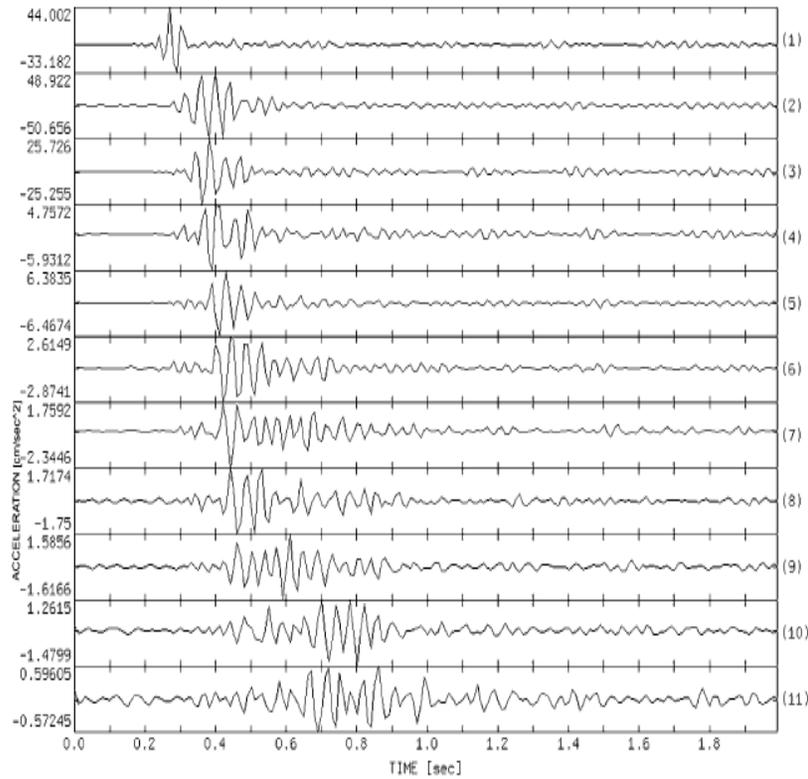
**Per l'Italia:**

**Il caso della diga dell'Ambiesta  
(Barnaba et al, 2007 BSSA)**

# Buildings as a Seismic Source: Analysis of a Release Test at Bagnoli, Italy

by Maria Rosaria Gallipoli, Marco Mucciarelli, Felice Ponso, Mauro Dolce,  
Ezio D'Alema, and Mariano Maistrello

Bulletin of the Seismological Society of America, Vol. 96, No. 6, pp. 2457–2464.



Variazione PGA free field = 20%

## EFFECT OF VIBRATING BUILDINGS ON “FREE-FIELD” GROUND MOTION: FROM THE BAGNOLI EXPERIMENT TO MANY-BUILDINGS SIMULATION

Rocco DI TOMMASO <sup>1</sup>, Maria Rosaria GALLIPOLI <sup>2</sup>, Marco MUCCIARELLI <sup>3</sup>,  
Felice Carlo PONZO <sup>4</sup>

