

in collaborazione con:



**DICEA**

Dipartimento di Ingegneria Civile, Edile ed Ambientale  
Università di Padova

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## **Opzioni di intervento nel miglioramento sismico di edifici esistenti**



**ing. Roberto Scotta**

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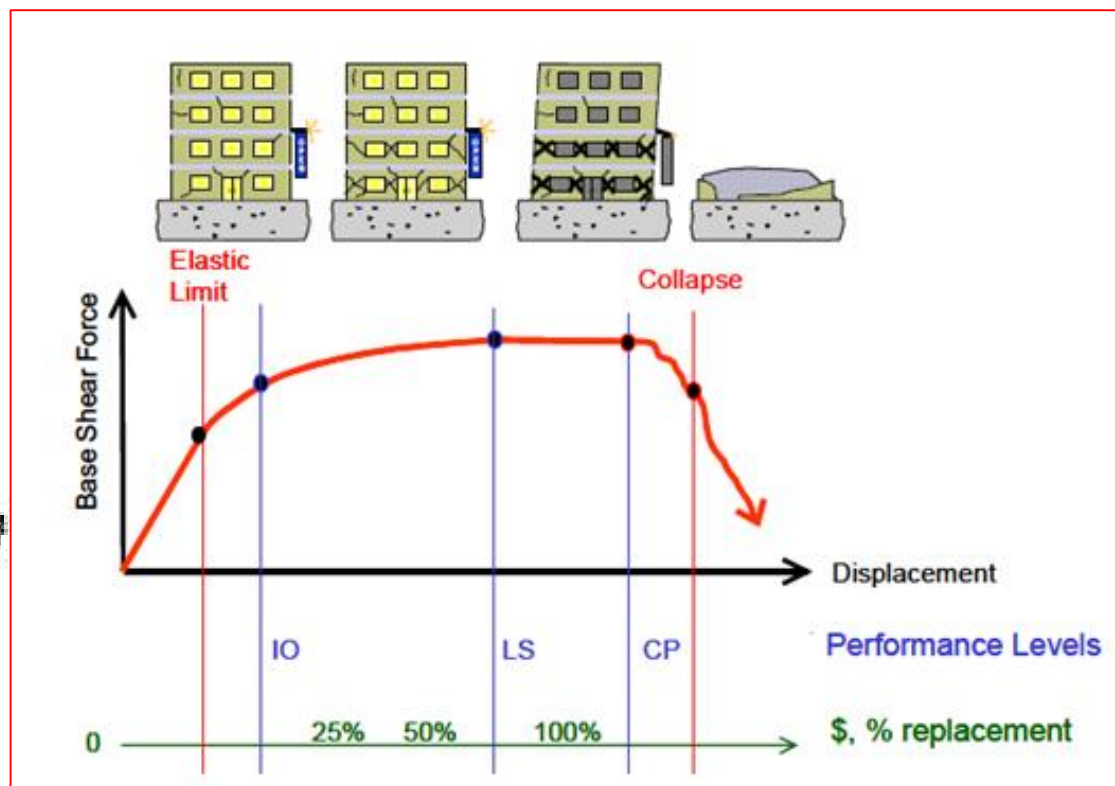
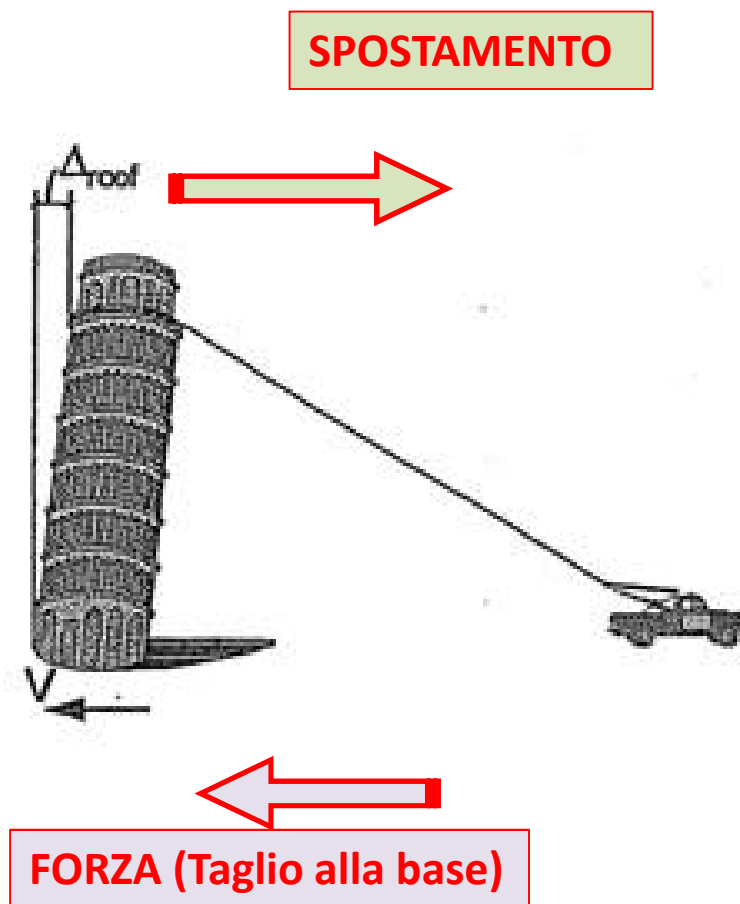
**Università di Padova**

**Dipart. Ingegneria Civile Edile e Ambientale**

## Effetto dinamico del sisma sulle costruzioni

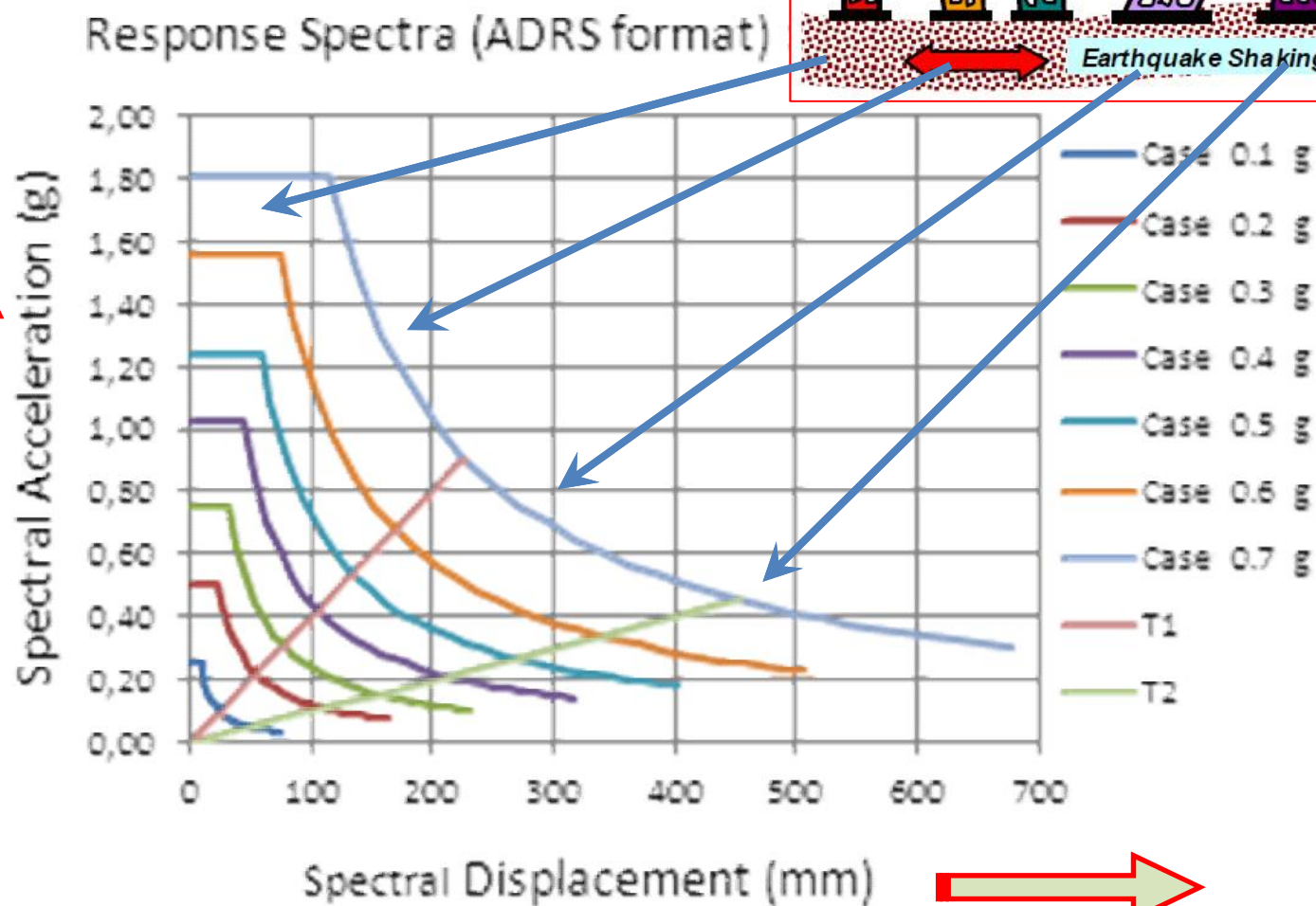


## Curva di capacità (statica)



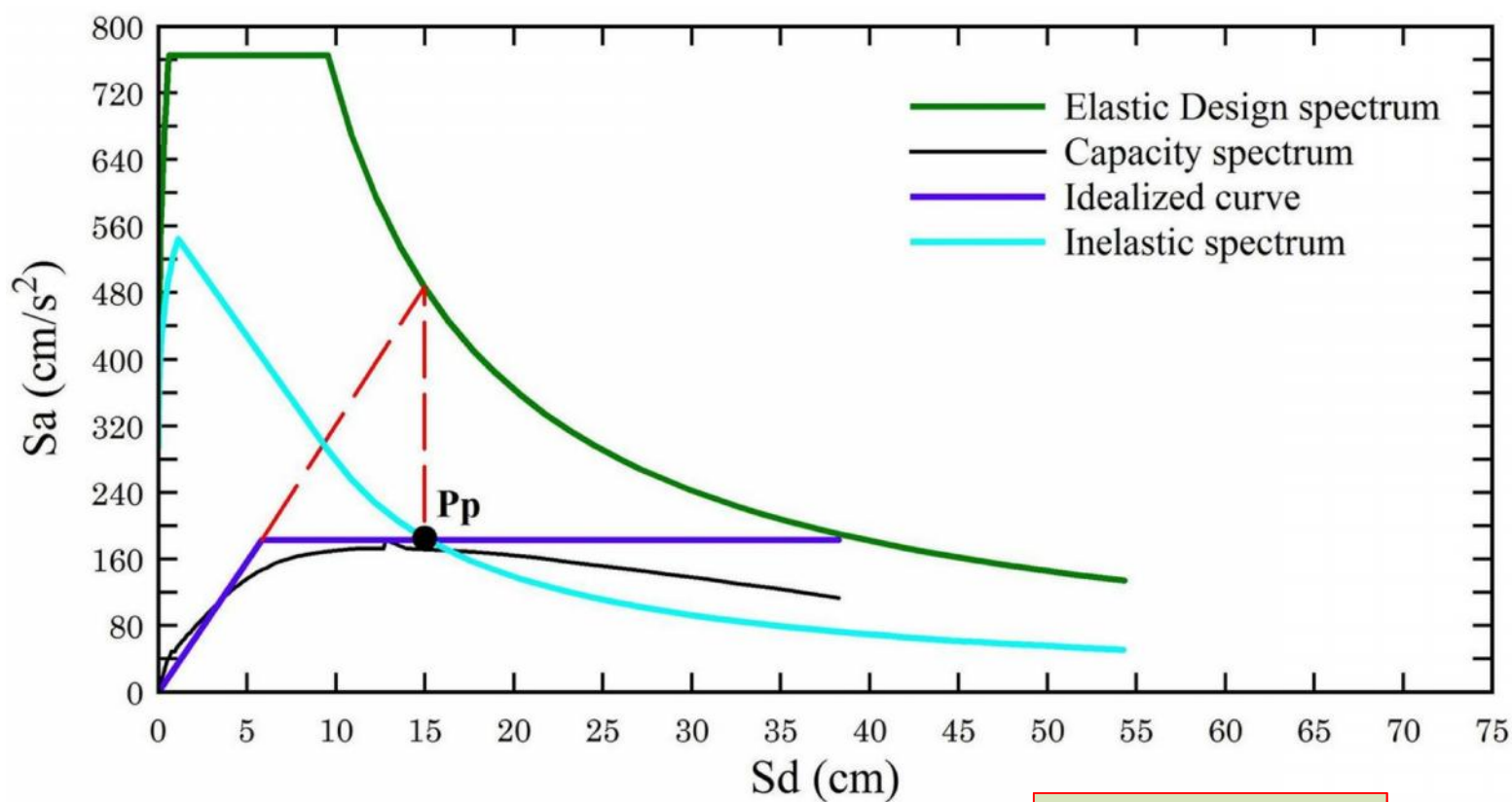
## Domanda sismica (statica)

Taglio alla base / Peso edificio



## Confronto capacità domanda

Taglio alla base / Peso edificio



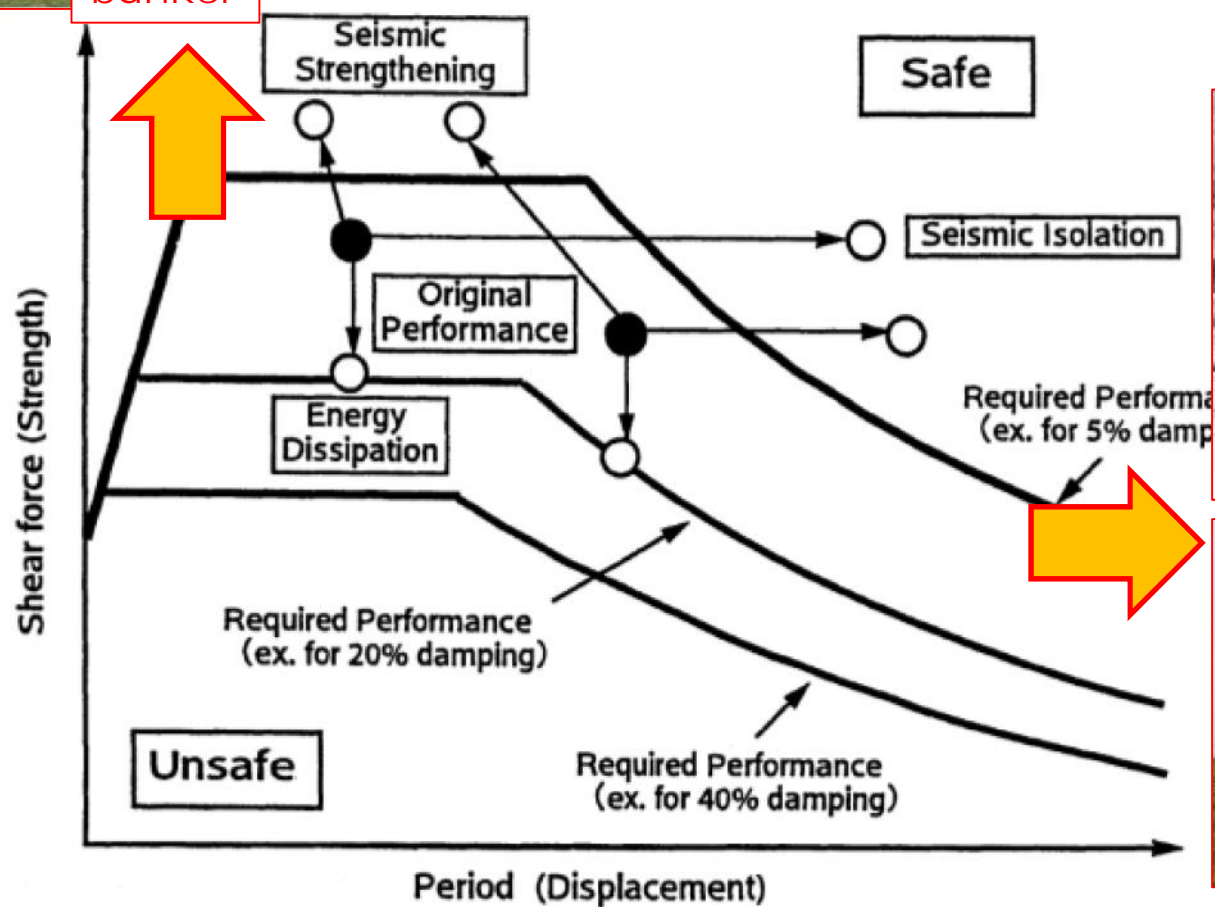
**SPOSTAMENTO**



## Opzioni di miglioramento/adeguamento sismico

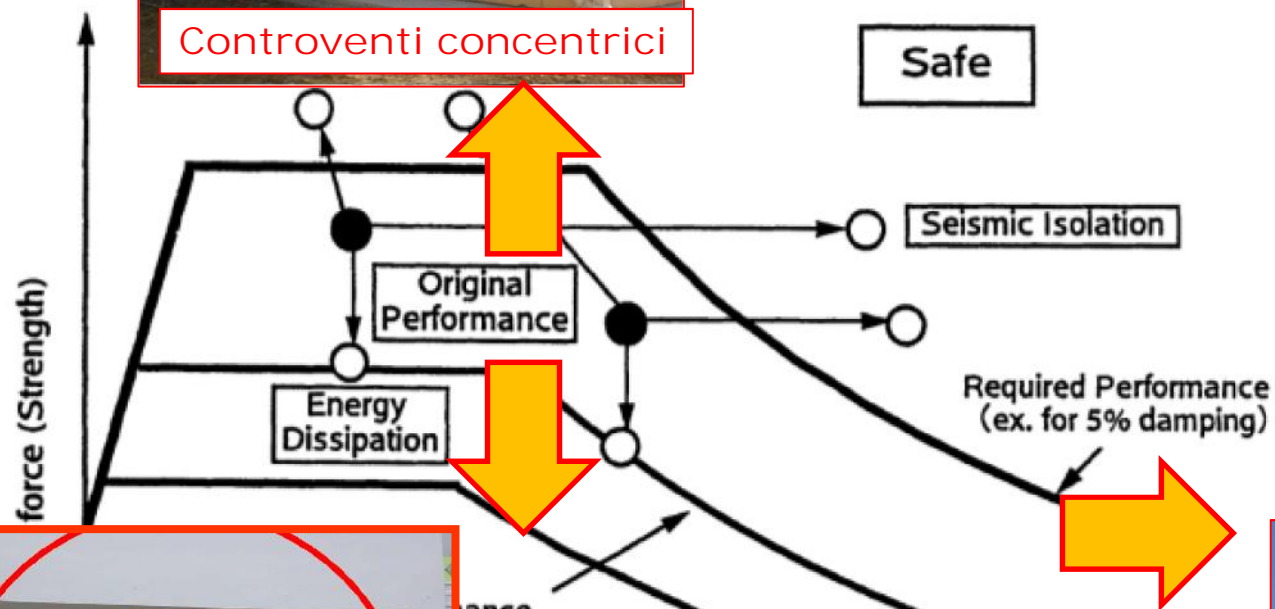


bunker



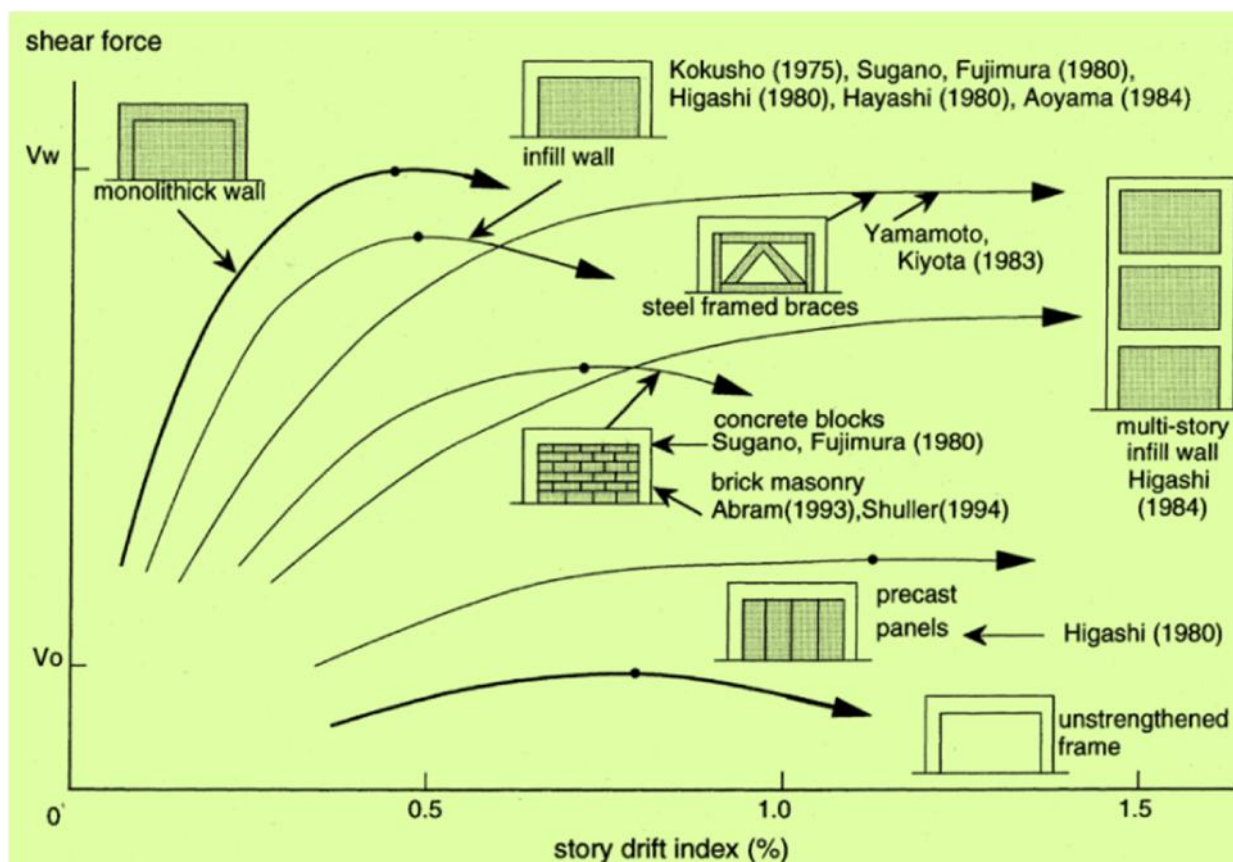
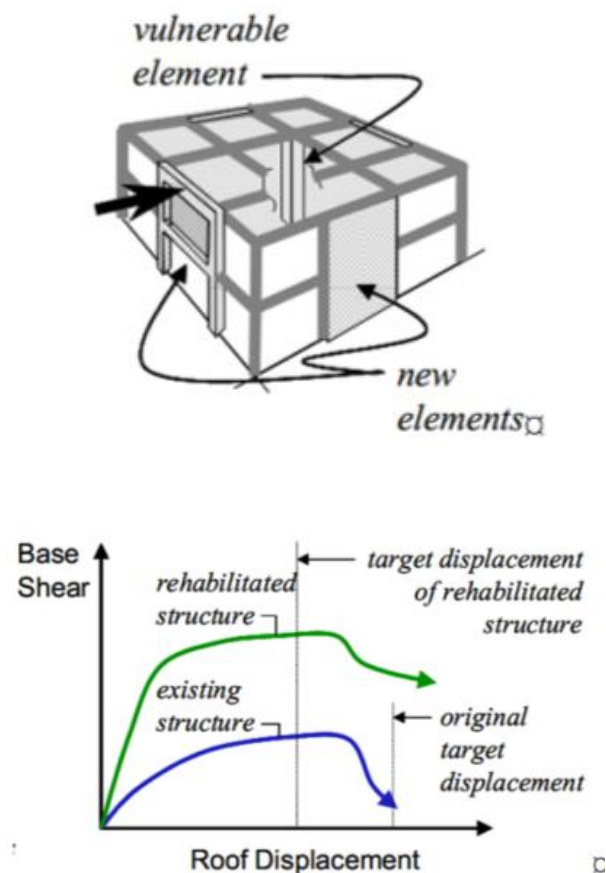
flessibilità

# Opzioni di adeguamento sismico



## Opzioni di miglioramento/adeguamento sismico

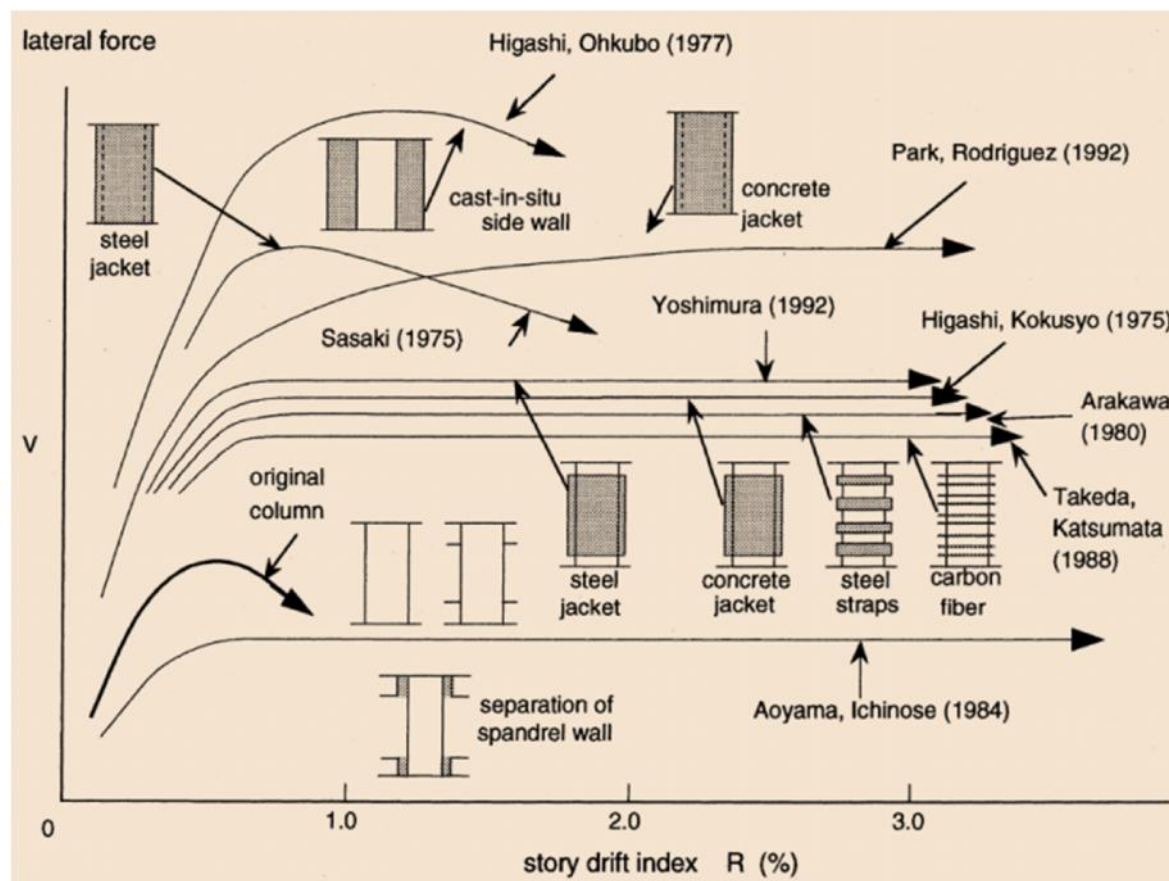
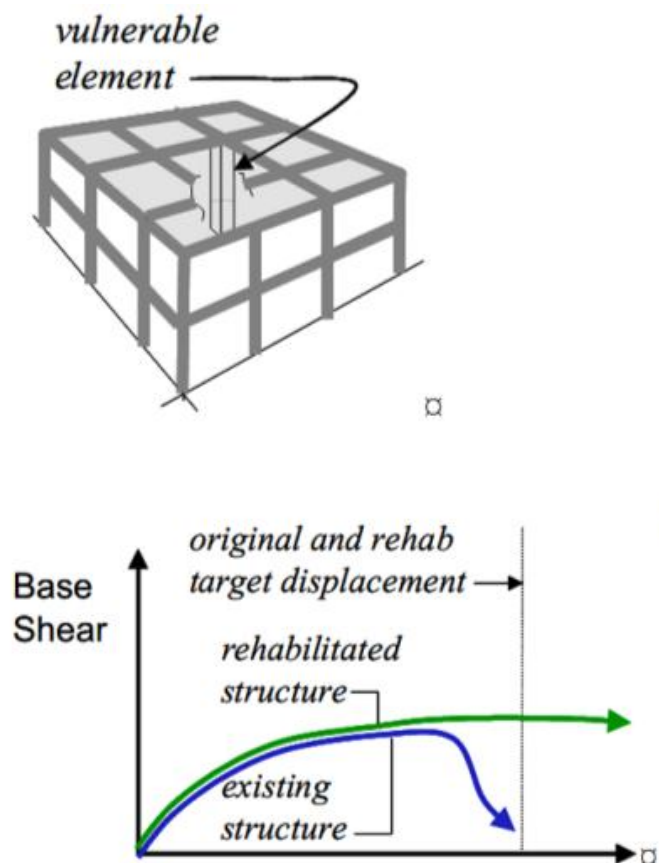
### INTERVENTI «GLOBALI»





# Opzioni di miglioramento/adeguamento sismico

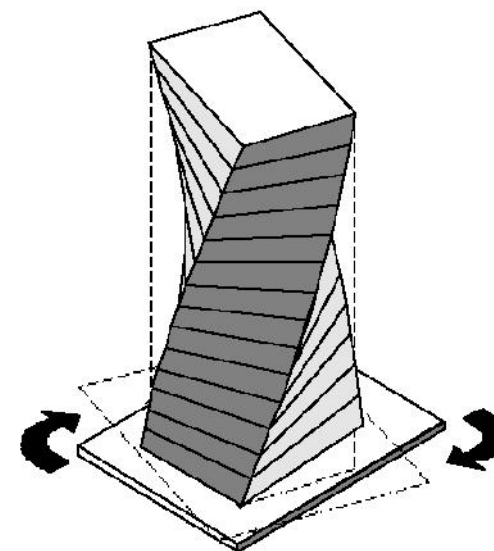
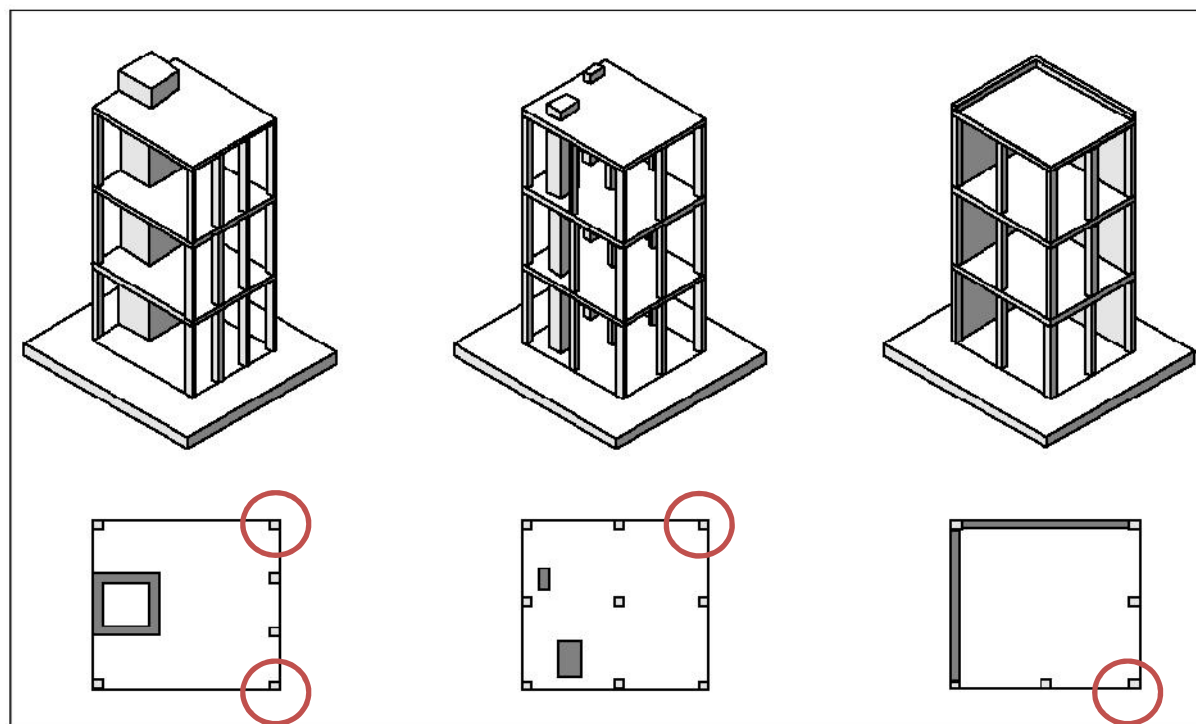
## INTERVENTI «LOCALI»



## Opzioni di miglioramento/adeguamento sismico

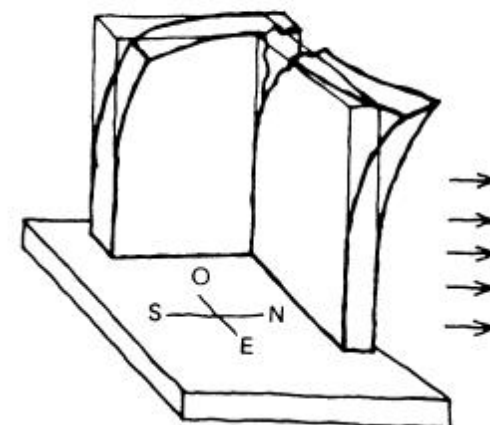
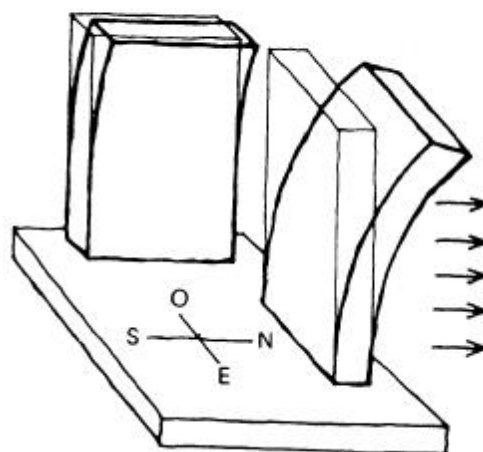
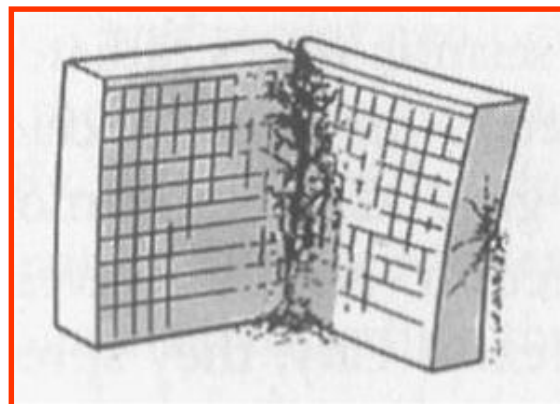
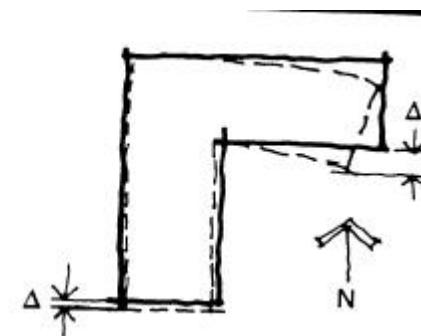
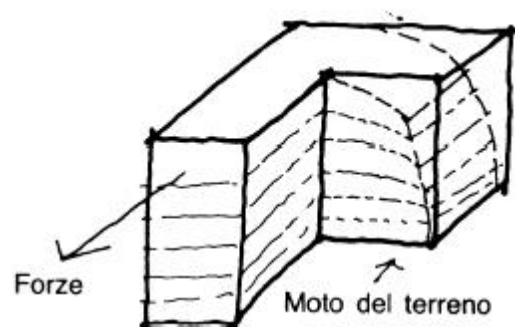
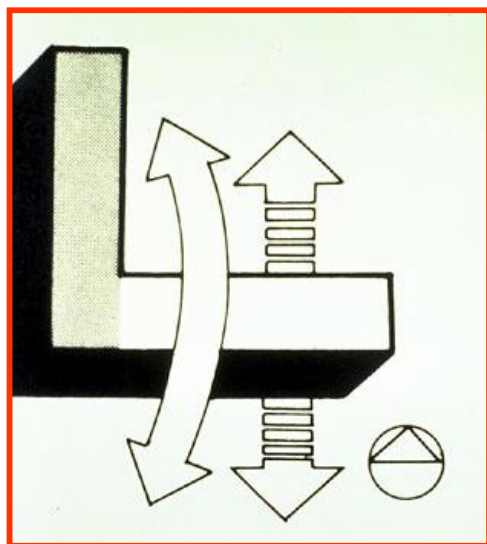
### INTERVENTI «GLOBALI»: ELIMINAZIONE DI IRREGOLARITÀ

Eccentricity between centers of mass and stiffness increase effects of torsion.



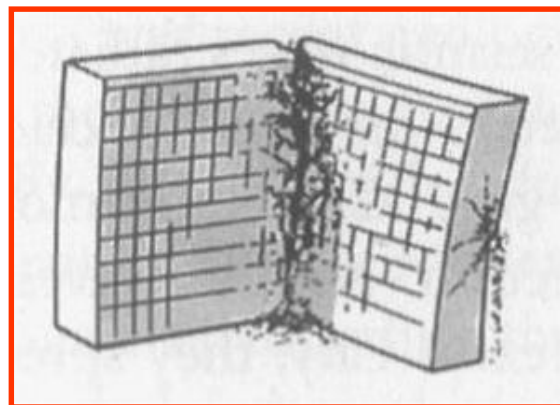
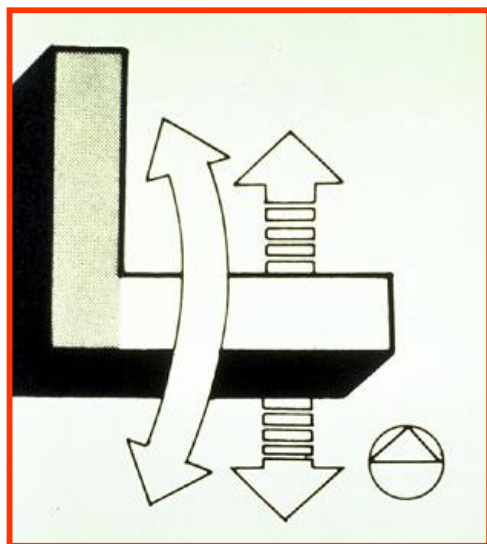
## Opzioni di miglioramento/adeguamento sismico

### INTERVENTI «GLOBALI»: ELIMINAZIONE DI CONFIGURAZIONI SCONVENIENTI

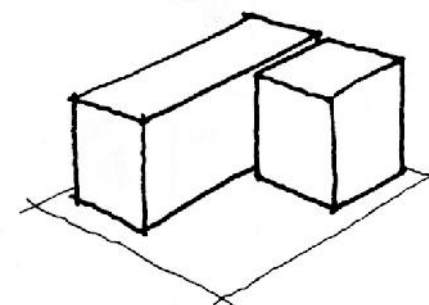
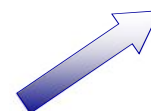


## Opzioni di miglioramento/adeguamento sismico

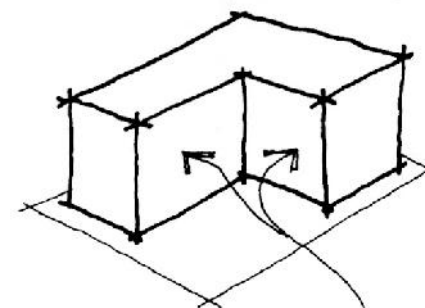
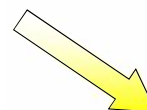
### INTERVENTI «GLOBALI»: ELIMINAZIONE DI CONFIGURAZIONI SCONVENIENTI



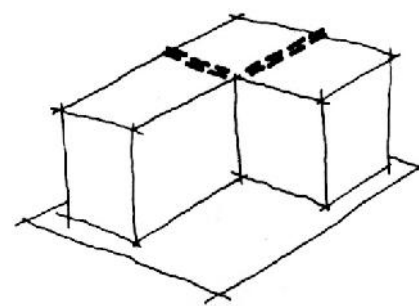
Soluzioni possibili



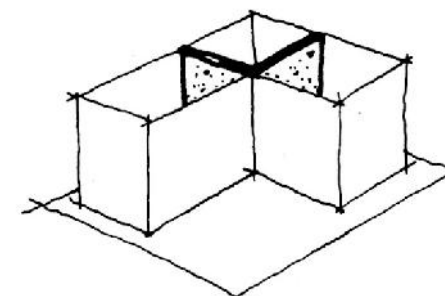
Separare in due l'edificio



Legare bene insieme  
le due ali



Collettori

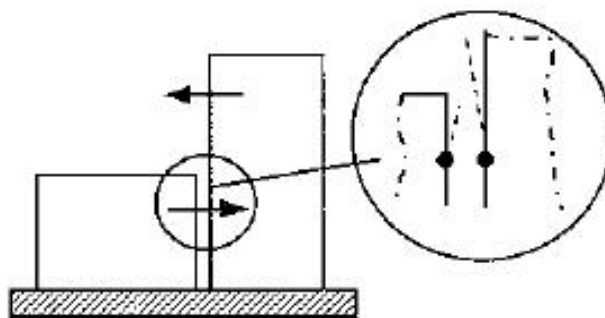
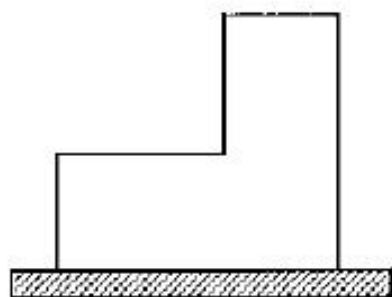
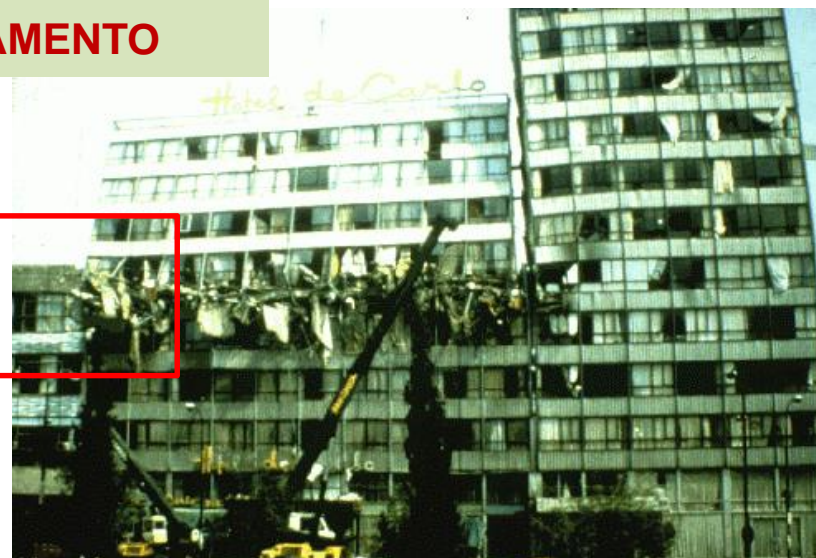


«Muri collettori»



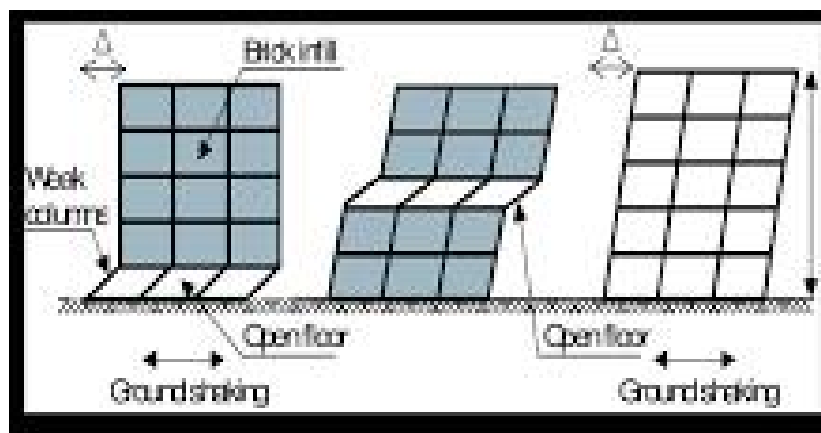
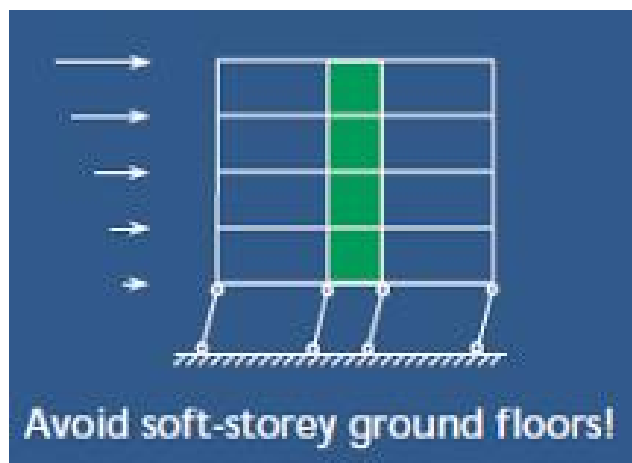
## Opzioni di miglioramento/adeguamento sismico

### INTERVENTI «GLOBALI»: IRREGOLARITA' IN ALTEZZA - MARTELLAMENTO



## Opzioni di miglioramento/adeguamento sismico

### INTERVENTI «GLOBALI»: ELIMINAZIONE DI «PIANI SOFFICI»



# GRAZIE PER L'ATTENZIONE

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