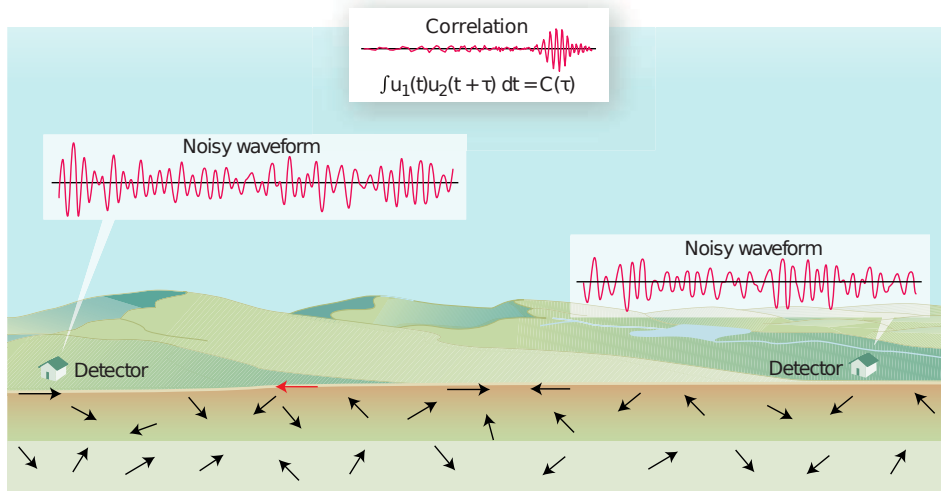
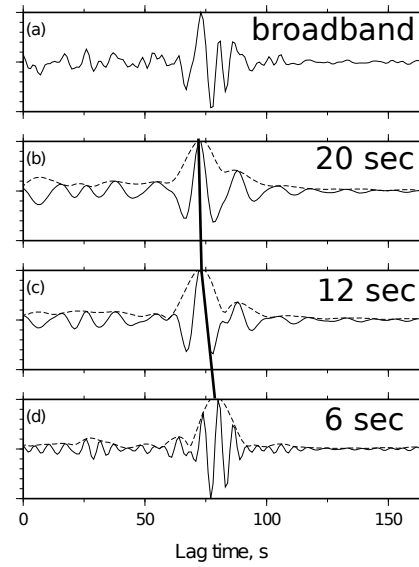


### 1. Waveform cross correlation between all station pairs

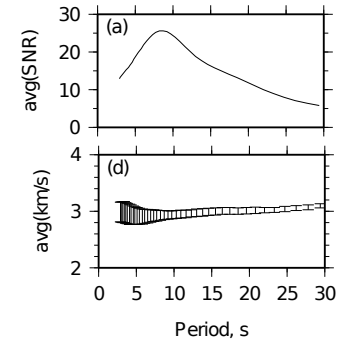


### 2. Frequency-time analysis

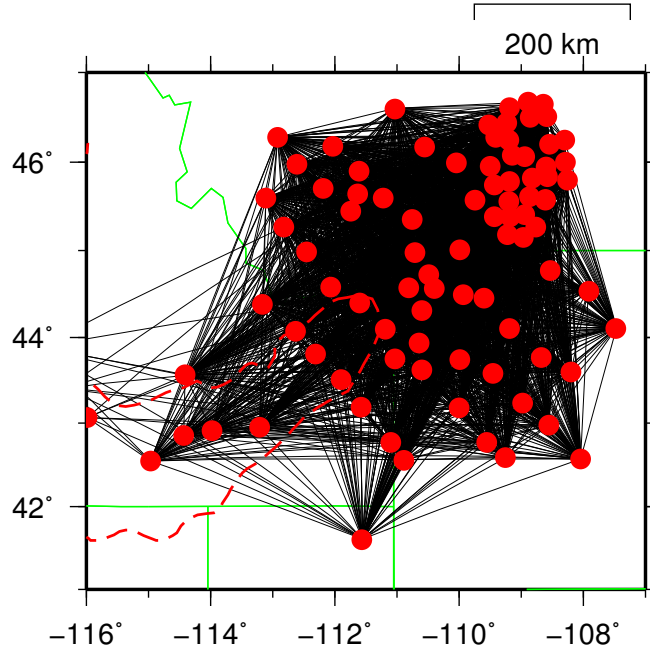


-- Narrow band filter  
 -- Time of envelope peak is travel time

$$V_g = X/t_g$$



### 3. Raypaths between all station pairs



### 4. Tomographic inversion for surface wave velocity variations at all sampled periods (e.g. 3 s, 6 s, 9 s, ...)

