

$$\phi_{E_j} = \{S_1, \dots, S_i, S_j, \dots, S_p\}$$

$$\sigma_{E_j} = \{e_1, \dots, e_i, e_j, \dots, e_q\}$$

Sources and entities from social media,
related to an event E_j

$$\kappa : S_i \rightarrow [0, 1]$$

$$\tau : e_i \rightarrow [0, 1]$$

$$\varphi_{E_j} = \{S_1, \dots, S_i, S_j, \dots, S_p \mid \psi(S_i) \geq \psi(S_j), i < j\}$$

$$\varsigma_{E_j} = \{e_1, \dots, e_i, e_j, \dots, e_q \mid \omega(e_i) \geq \omega(e_j), i < j\}$$

Sources and entities, ranked according to
'specificity' and 'closeness' w.r.t event E_j