

# 災害時におけるオンライン・コミュニティの役割

## どんな研究？

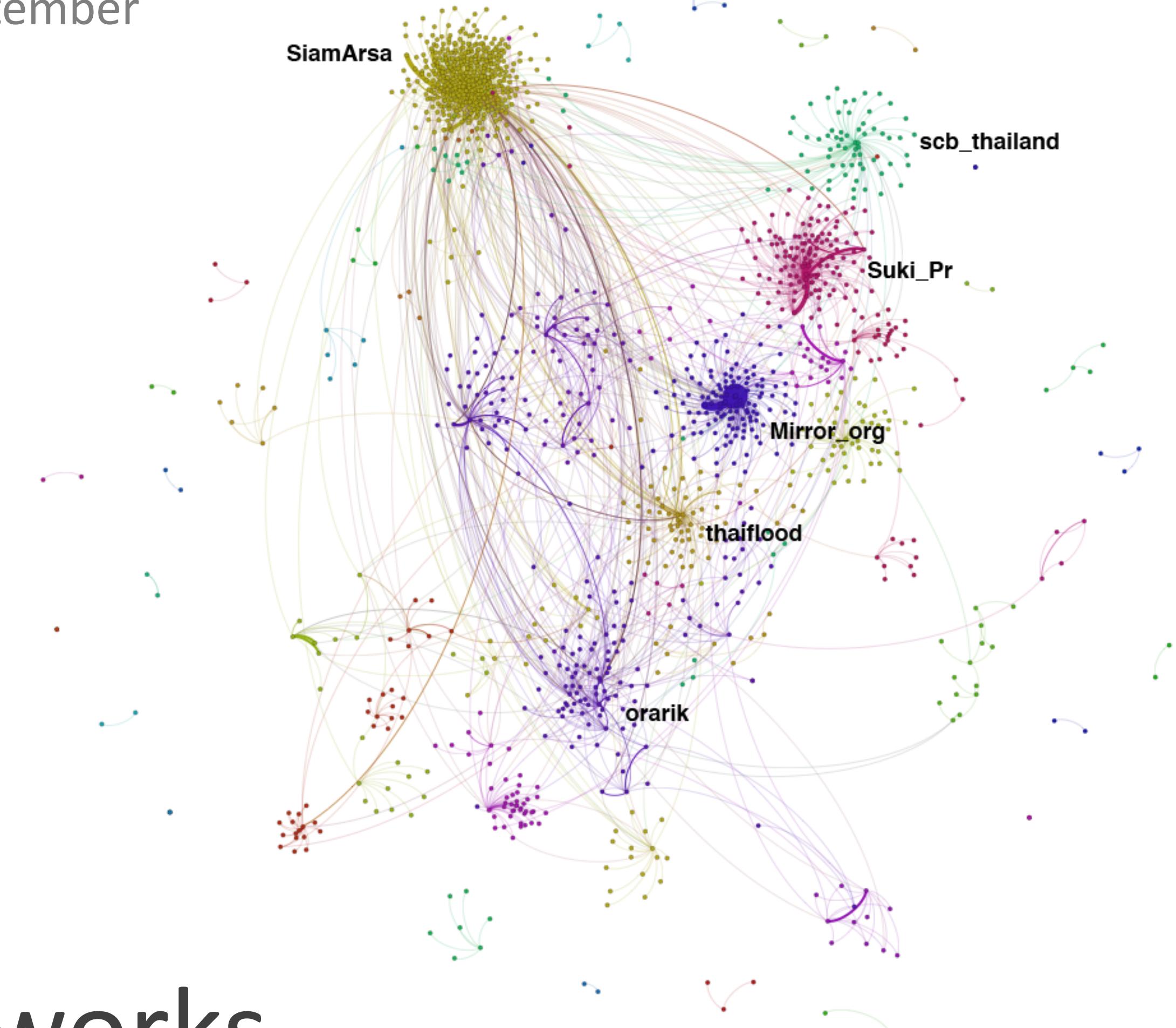
2011年にタイで大洪水が起こった際に、オンラインコミュニティの存在がどのように社会のレジリエンスを高めたかを研究しています。

## 何がわかる？

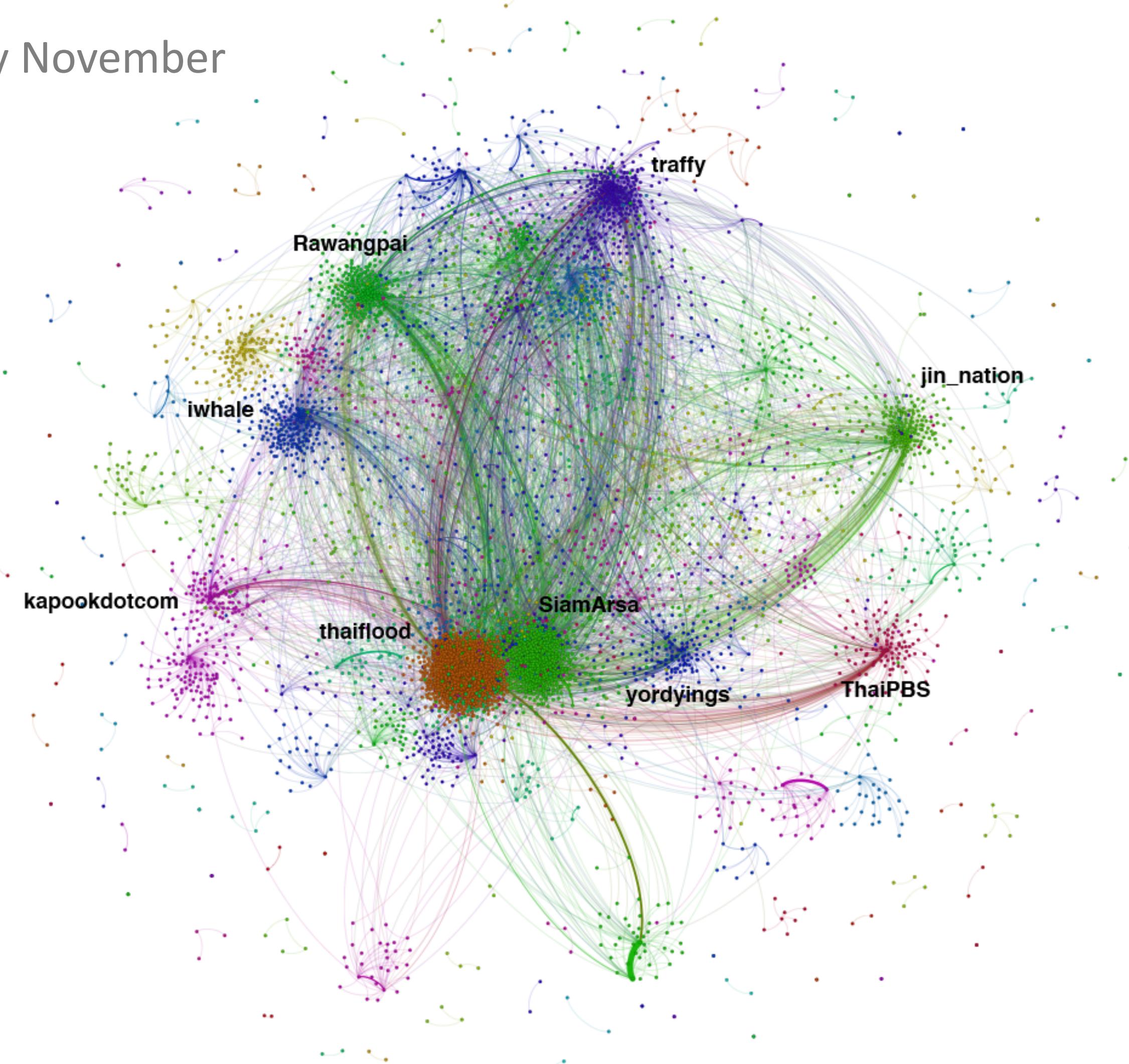
時点ごとに入々が何を語り合っていたのか、オンラインコミュニティの姿は時間を追ってどのように変化していったのか、これらの様子が浮き彫りにされました。

## 研究内容

Mid-September

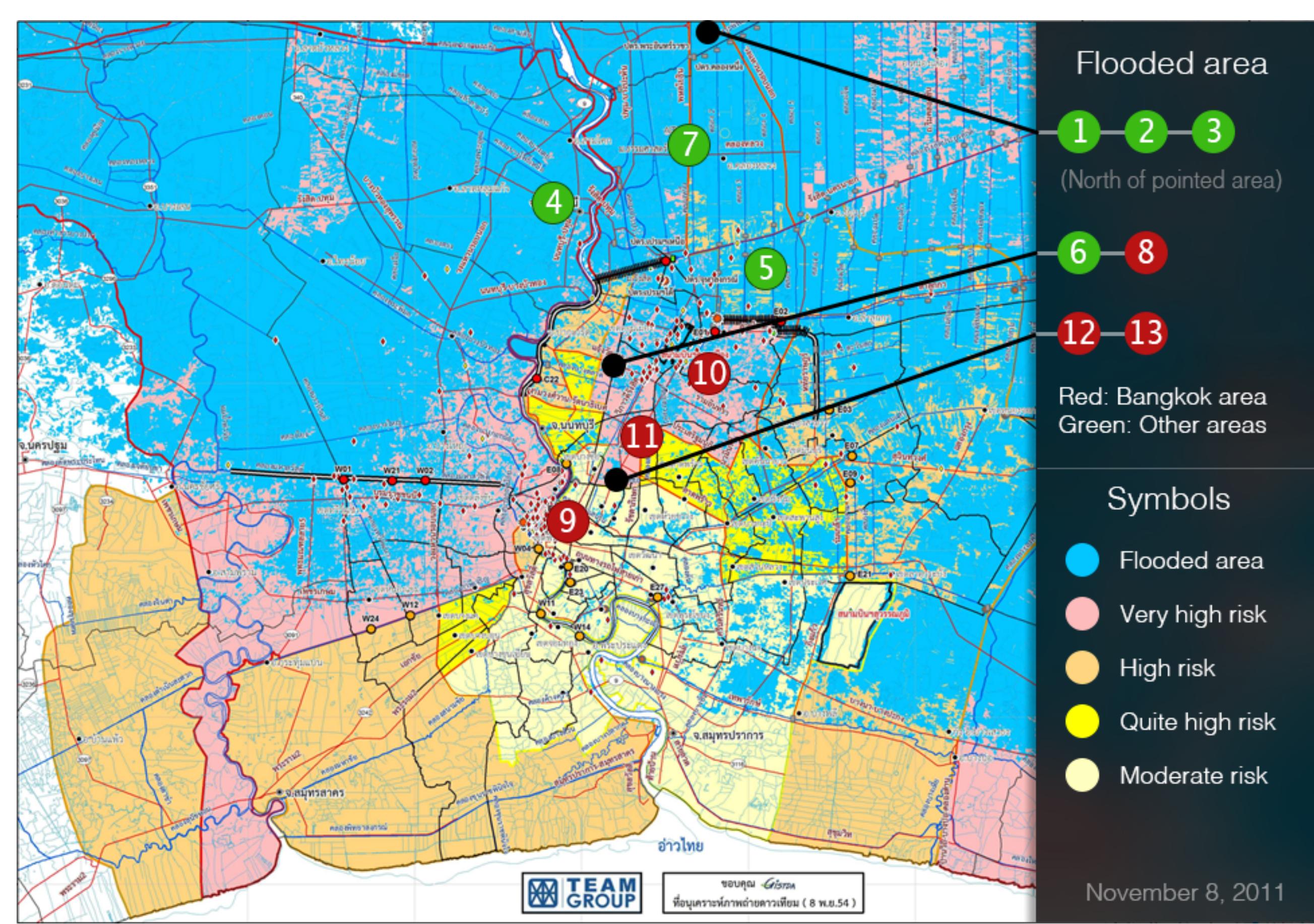


Early November



## Networks

Nodes in the graph represent a Twitter user and edges are a retweet. We colored communities differently with their most influential user measured by retweets labeled. The left side was the networks during mid-September, while the other side was in early November.

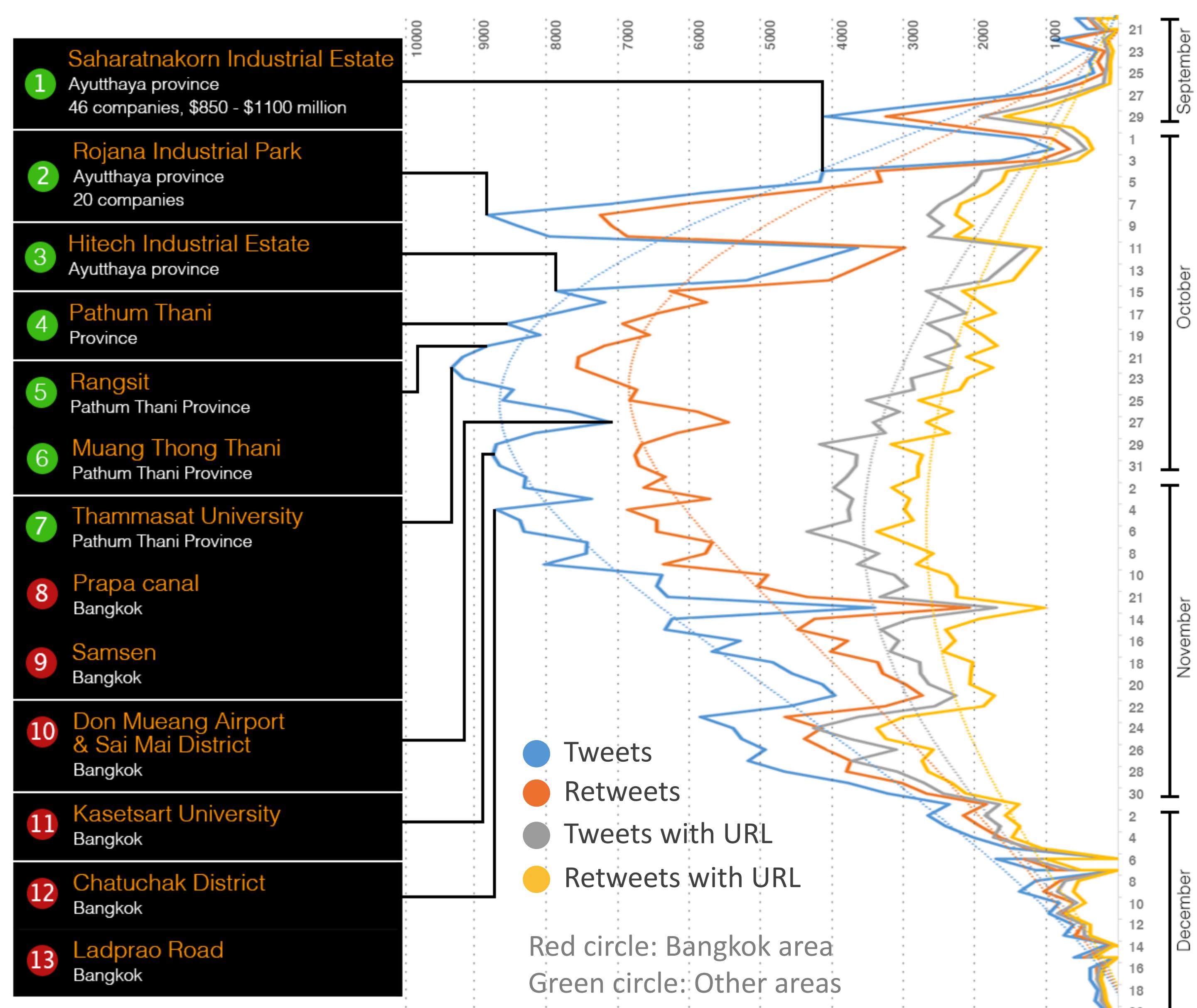


## Trends

The changing trends on Twitter reflected the developing flood situation, with opinions indicating sympathy, anxiety, anger, and relief.

The historic 175-day flood affected 65 of 77 provinces, causing \$46.5 billion damages and 815 deaths.

Communities emerged and evolved through the disaster, as evidenced in the retweet networks. The clusters surrounded their most influential users, many of which operated by a group or an organization.



## Retweets

Warnings, situation reports, and volunteer recruitments occupied the retweet networks in the early weeks. Information, especially after-flood recovery guidelines, began to circulate later on.