AAMAS BLUE SKY PANEL

Where should AAMAS be heading? Agent-based Modeling for Societal Impact

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&

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Multiagent Systems Research for Social Impact
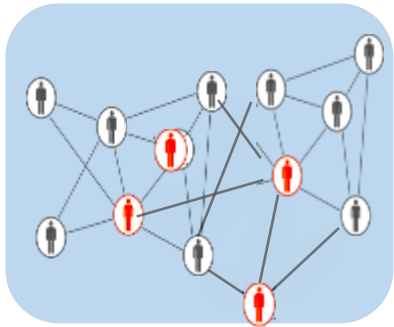

Public Health

Conservation

Public Safety and Security

Optimizing Limited Intervention Resources

Sampled social networks

Public Health

Green security games

Conservation

Public Safety & Security

Stackelberg security games

Google Research Bangalore
Director, AI for Social Good

AI for Social Good workshop

Public Health

Education

Conservation

ASHOKA TRUST FOR RESEARCH IN ECOLOGY & THE ENVIRONMENT

Wildlife Conservation Trust
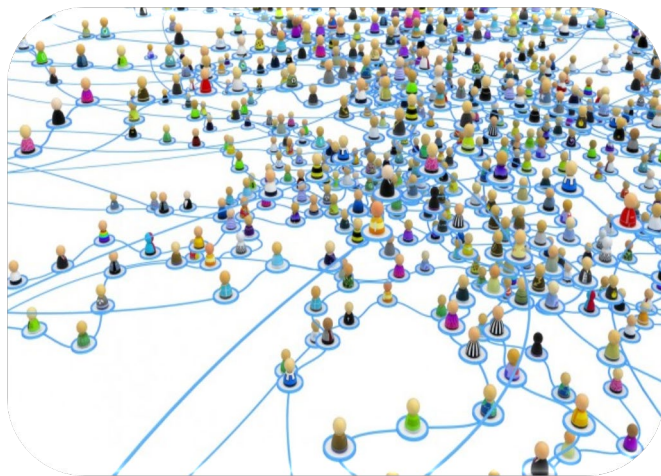
Where should AAMAS go next:
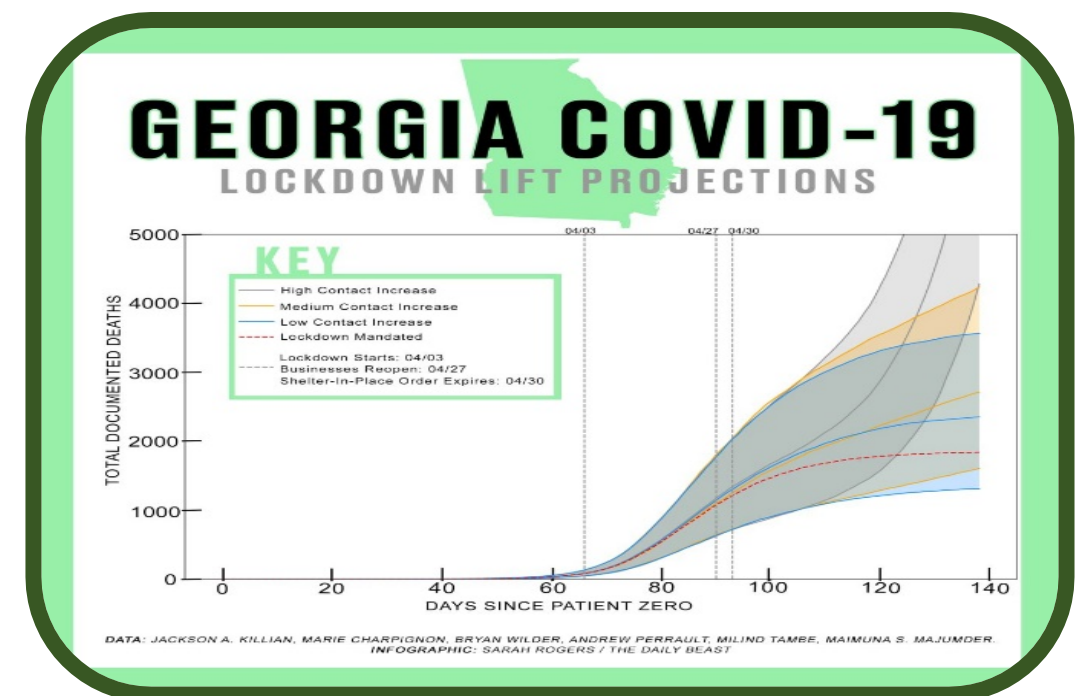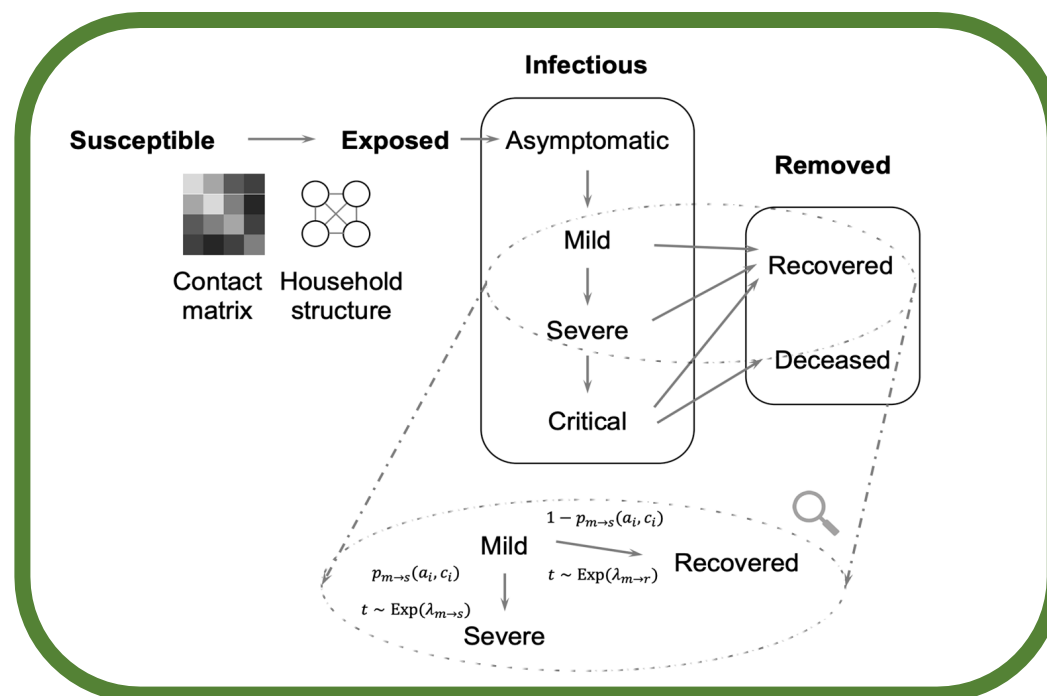## How can we contribute to addressing societal challenges?

- AAMAS focus on methodological advances: Game Theory, RL, networks

- Not substitute but in addition, focus on:

- *Address societal challenges: Climate change, conservation, education…*

- *Short term: AAMAS research for COVID-19, health & public health*

Short Term:
How can AAMAS research contribute to addressing societal challenges?

- AAMAS has lot to contribute to COVID-19, health, e.g.,

  - Agent-based models (ABM) for policy recommendations

  - Social networks, bandit algorithms for optimizing limited resources

Concrete suggestion for AAMAS 2021

- Special track on "ABM for health" ("ABM for Society")

  ➢ Invited speakers on ABM for epidemiological research

  ➢ Panel discussion on utility of ABM for health

- Encourage high impact research addresses a key gap at AAMAS:

  ➢ ABM for societal challenges outside AAMAS, e.g., COVID-19 ABMs

  ➢ ABM epidemiological work outside AAMAS

  ➢ Domain experts need us, but we are not teaming up

  ➢ **Big opening for AAMAS; start an interdisciplinary dialogue**

Vision for AAMAS 2030
Major Theme: Agents for Societal Challenges

- AAMAS 2030: 10 times the size AAMAS of this decade

  - Premier conference for ABM for societal challenges

  - Pandemics, Conservation, Public Health, Climate Change…

  - Highly interdisciplinary, exciting venue for ABM research

  - Signing off; hope to meet in person at AAMAS 2021

Thank you!

Collaborate to realize AI's tremendous potential to
Improving society & fighting social injustice

@MilindTambe_AI