Using systems thinking and 'smart technology' to facilitate social learning with communities

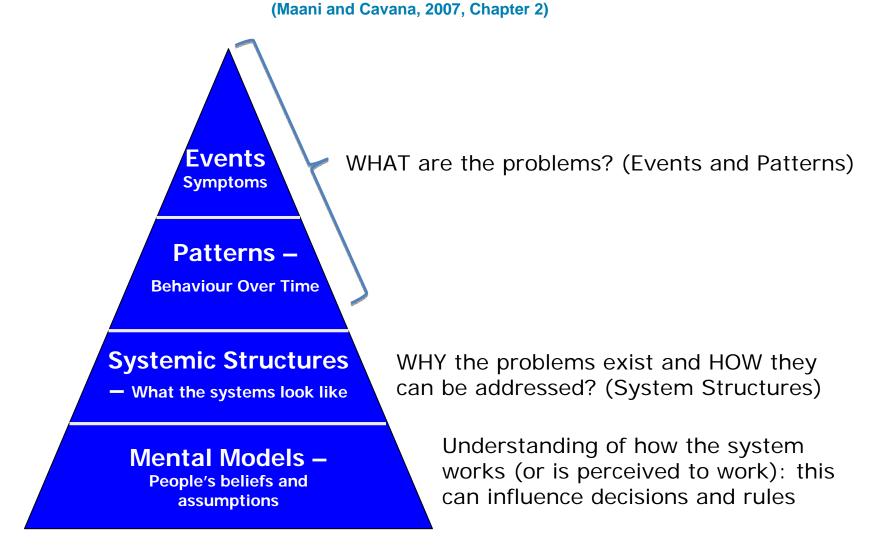
Russell Richards and Carl Smith

School of Agriculture and Sciences, The University of Queensland, Australia

CCRES – Component II: Generating robust local economies that capture and sustain marine ecosystem services



Four Levels of Systems Thinking





Socio-Ecological Problems

- Selayar (Indonesia) and El Nido (Philippines)
- Focus problems:
 - Water pollution
 - Food insecurity
 - Fish catch decline / habitat destruction
 - Mangrove clearing
- Problem mapping: Focus group discussions to elicit 'Rich Pictures'



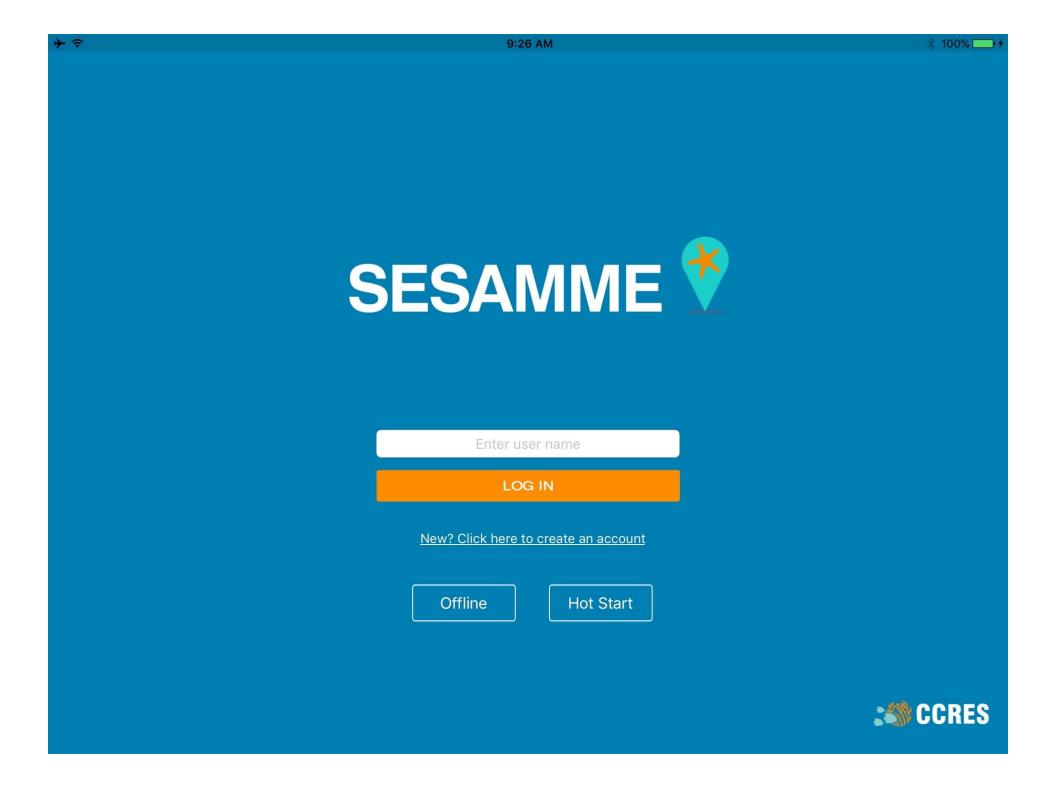
SESAMME app

SESAMME

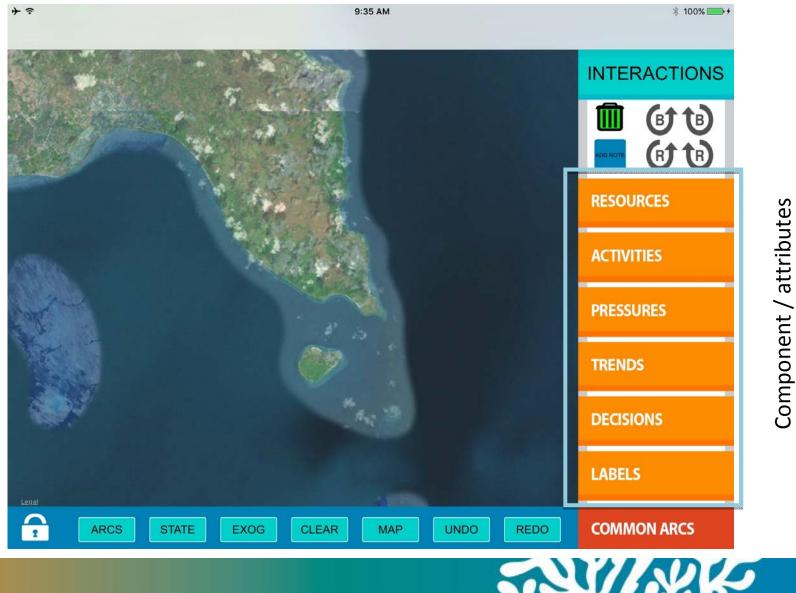
Socio-ecological systems app for mental model elicitation

1 More information

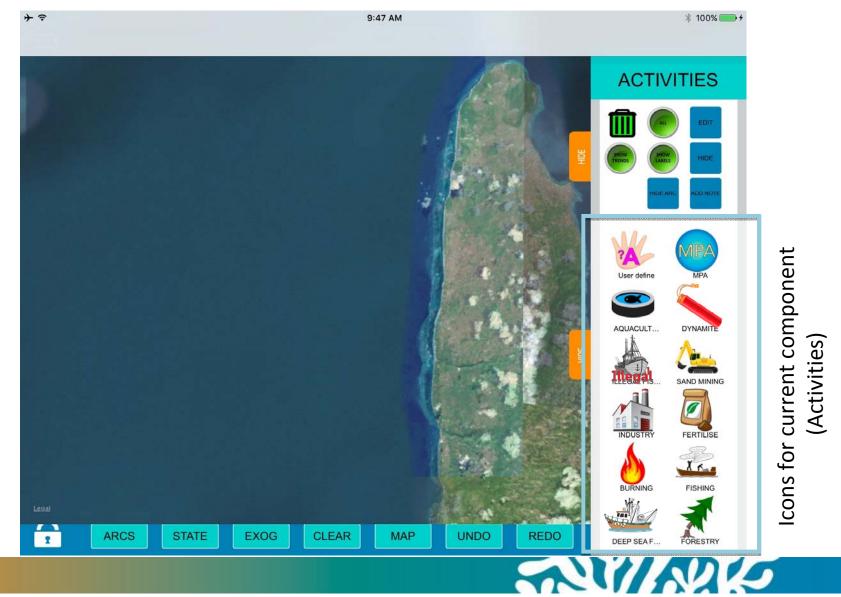
CCRES

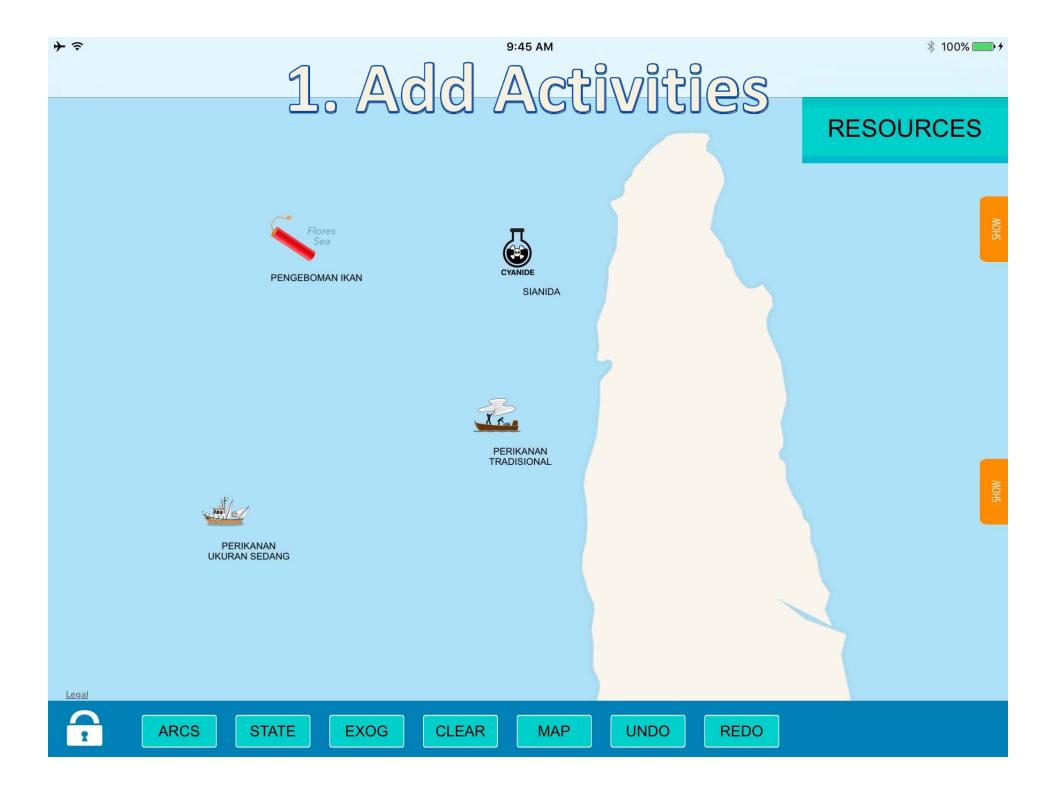


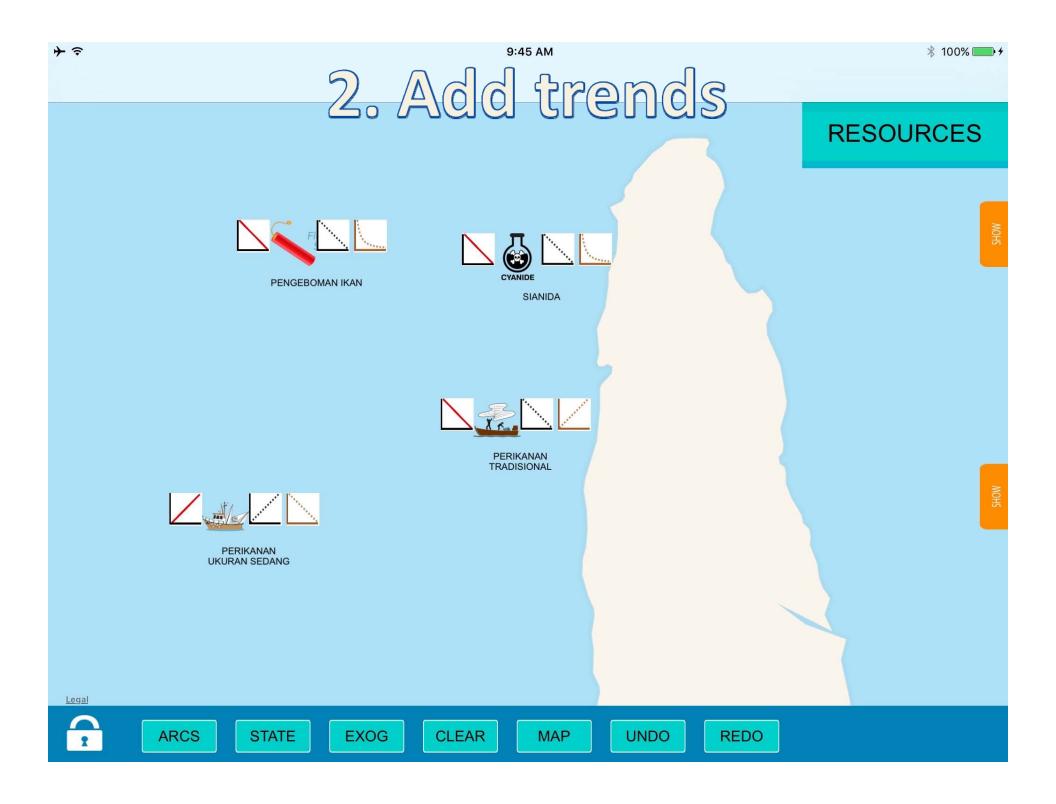
SESAMME Spatially explicit (Satellite view)



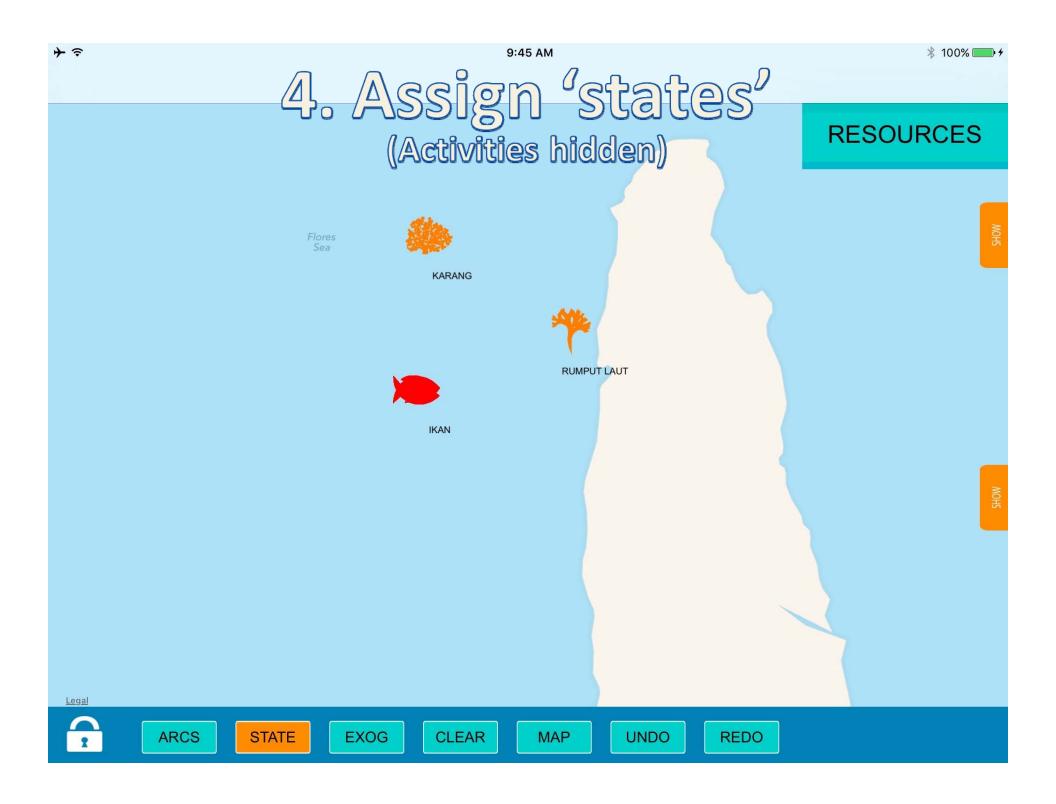
SESAMME 'Drag and Drop' icons (satellite view)

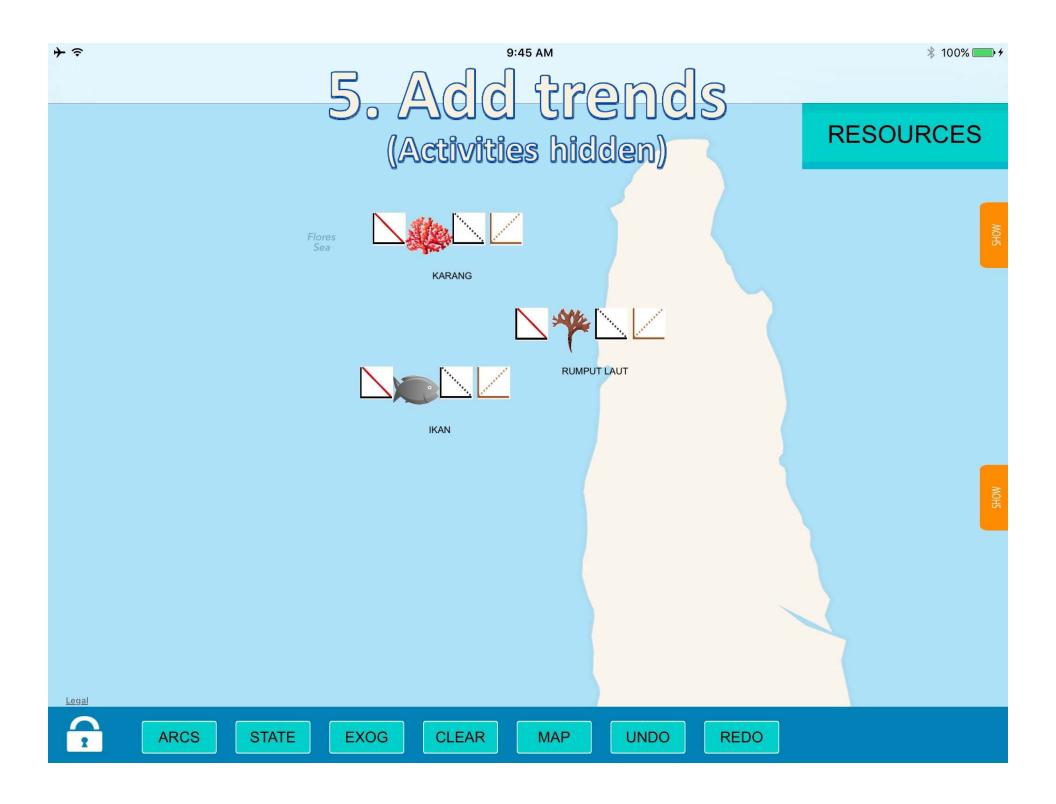


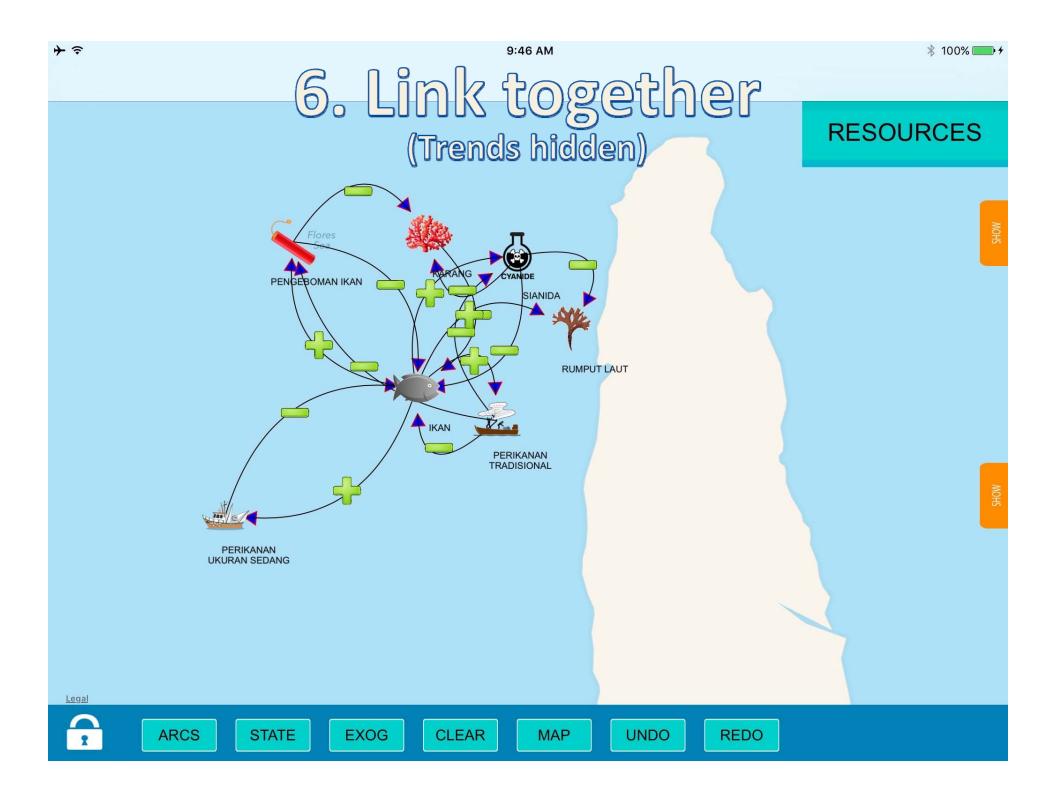


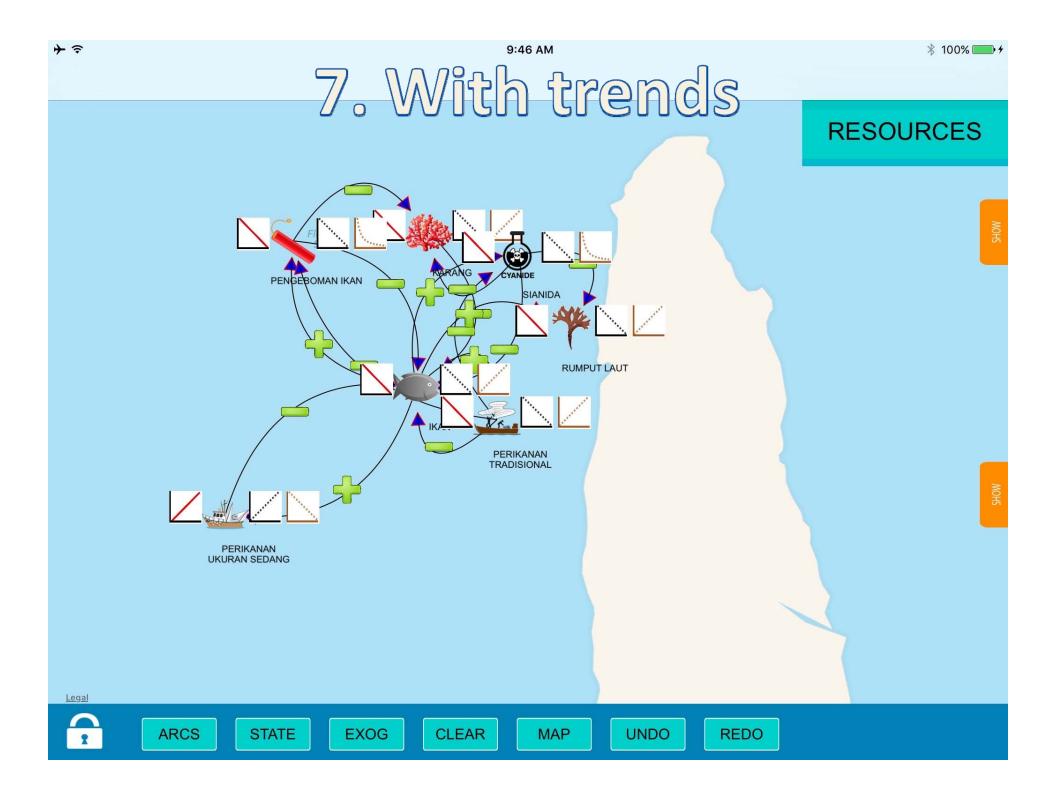


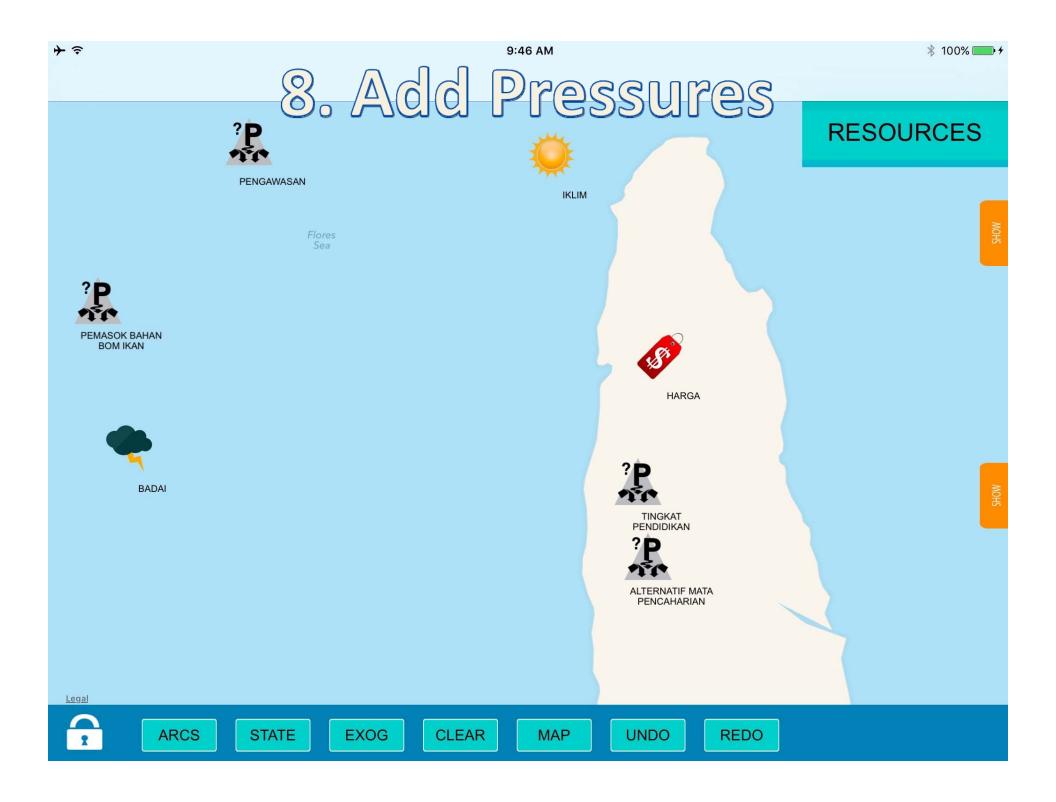


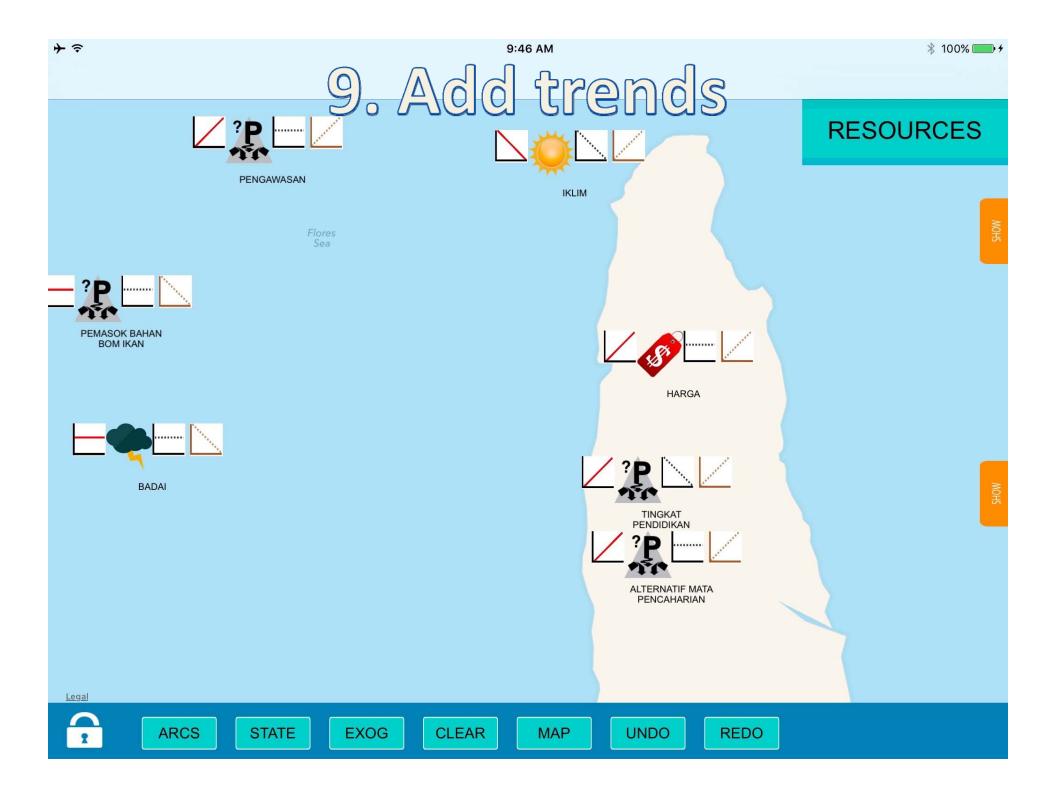




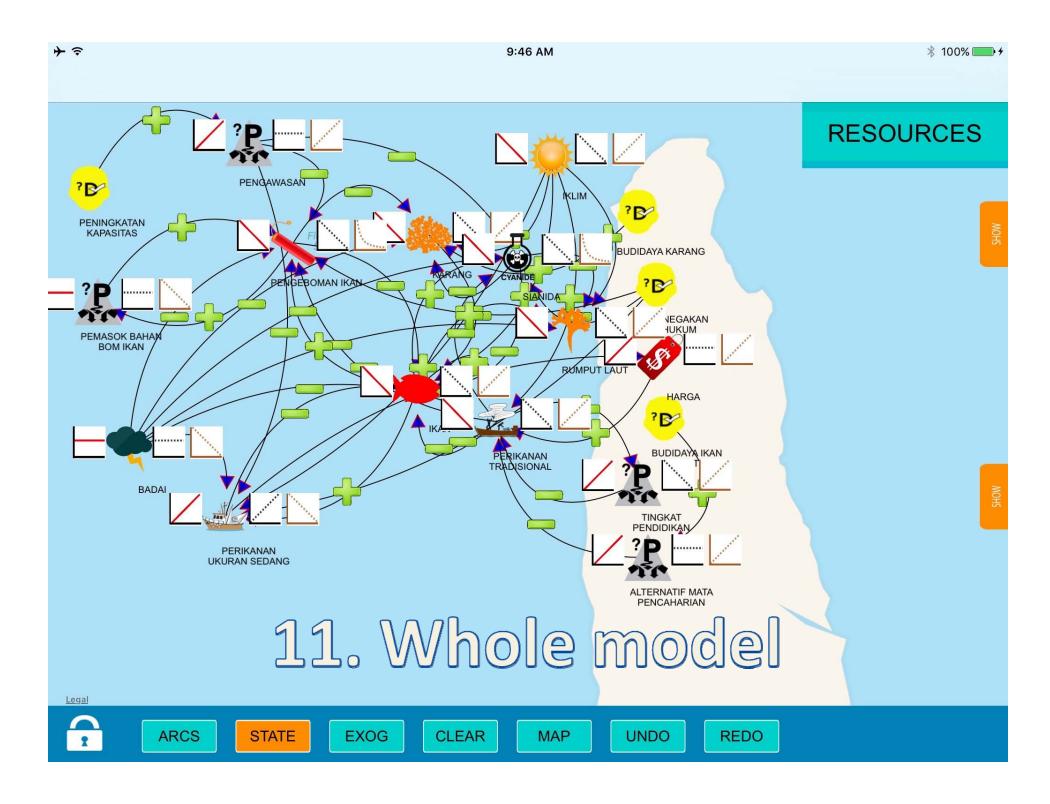










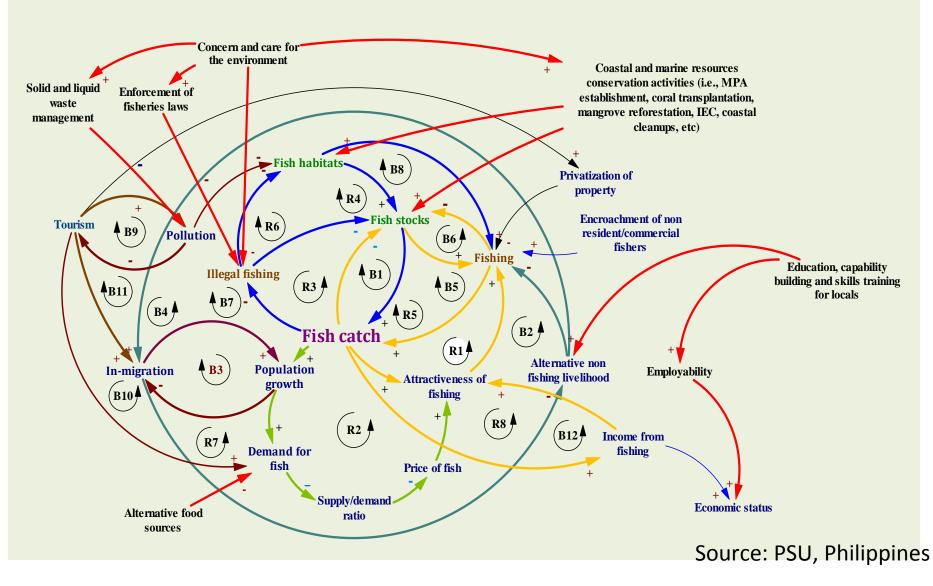


FGD in Action





Structure, Decisions and Interventions



SESAMME

- Available for iPad (iPhone version under development)
- 'Soft Release' at EAS Congress, Vietnam
- Continued development through CCRES project
- Release in 2016 (iTunes)
- Develop Android version?

#SESAMMErocks

