



TRANSLATOR

PROGRESS REPORT

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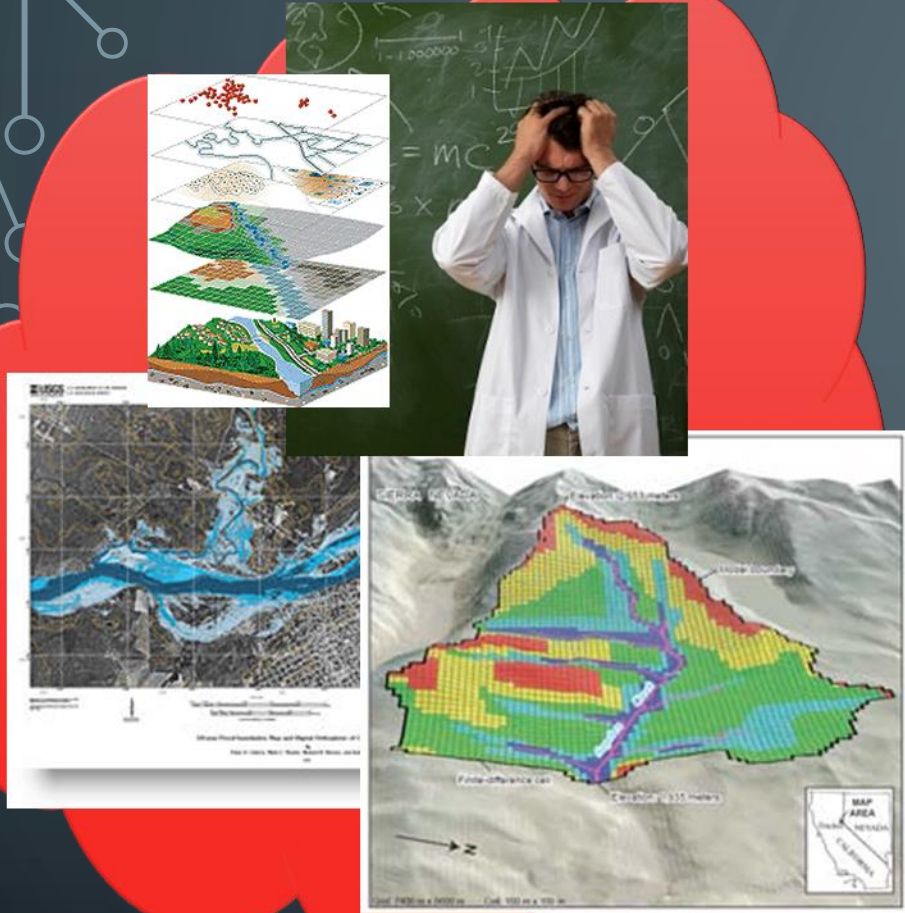
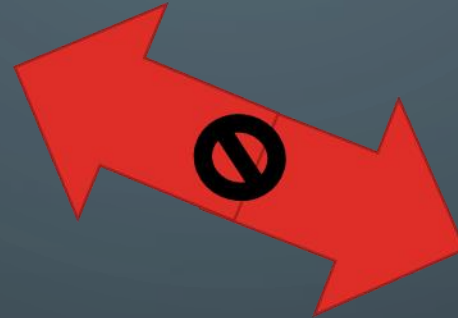
A “Communication” Problem

SCIENCE Cloud



SOCIAL Cloud

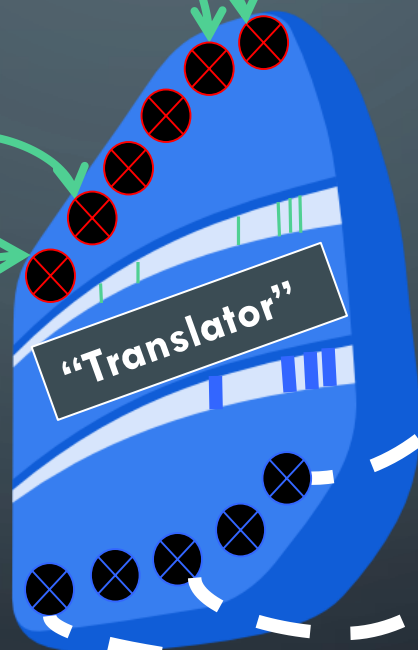
A “Communication” Problem



GSSHA
AutoRoute
iRIC
SPRNT
Tethys
National Water Model



A “Communication” solution



A Rosetta Stone

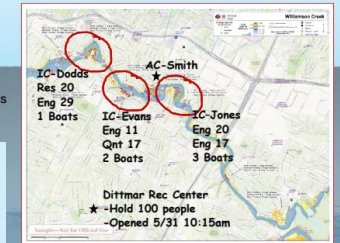


Austin Templates

Types of Flood Maps for First Response

Strategic Flood Maps

- Used at Emergency Operations Center
- Overview map of entire area
- Identifies scope/magnitude of overall problem
- Used to keep track of several area commands, groups of units



Types of Flood Maps for First Response

Operation Flood Maps

- Incident/Area Command
- Flood info at an area command level
- Laminated for recording situational awareness
- Able to log where units are assigned, where people have been rescued, what is remaining/what needs to be focused on



Types of Flood Maps for First Response

Pre-planning Flood Maps

- Used "on a blue sky sunny day" for fire unit planning (first response)
- Detailed information about flood area (primarily from local floodplain mgrs)
- Ability to drive the streets, review what the flood could do to the neighborhood, where to stage during an event, etc
- Format where FEWS could transfer detailed engineering info to the fire units
- Format where Fire Units can log information specific to a response in this area (ex: Staging area, shelters/rec centers, target hazards)



“Translator”

“Proof of Concept”

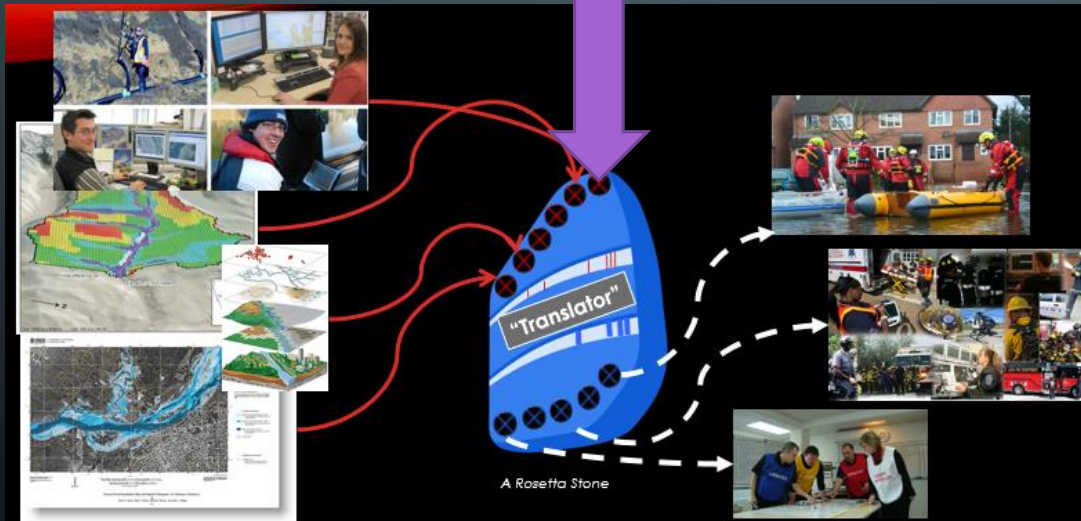
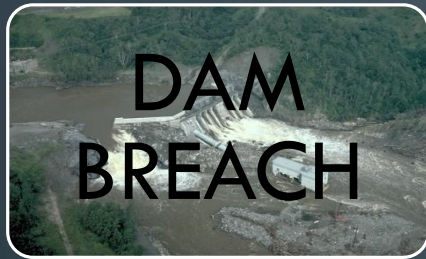
Sliced Rosetta Stone



FLOOD EMERGENCY RESPONSE

	Emergency Responders	Public
Action (Real-time)	<u>Incident Response</u> <i>Tethys Apps</i> • Current and forecast storm rainfall • Current and forecast flood conditions • Impact on homes, critical infrastructure, and transportation routes	<u>Warnings</u> <i>FloodHippo</i> • Public notification and warnings • Current and anticipated road closures • Real-time and forecast flood maps
Planning (Training and Exercises)	<u>Wide Area Flood Plan</u> <i>Translator</i> • Static flood risk maps • Number of flooded homes, critical infrastructure and transportation routes for different risk conditions • Pre-planning of flood response mobilization	<u>Public Education</u> <i>Dawne</i> • Local topography and relation to stream • Putting together a “go bag” for evacuation • Flood hazard prevention methods

STORYBOARD FOR “PROOF OF CONCEPT” PLATFORM



1. Authorized ACCESS
2. Event TICKET
3. Knowledgebase QUERY
4. Responders IDENTIFIED
5. Responder NEEDS ?
6. Responder ACTIONS

<http://arcg.is/2991SRF>