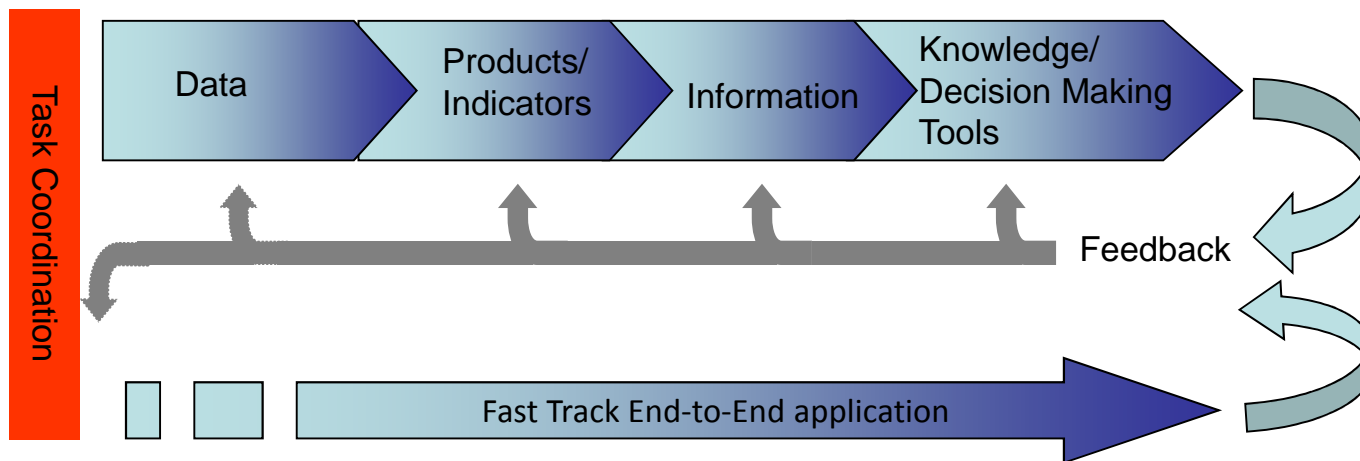


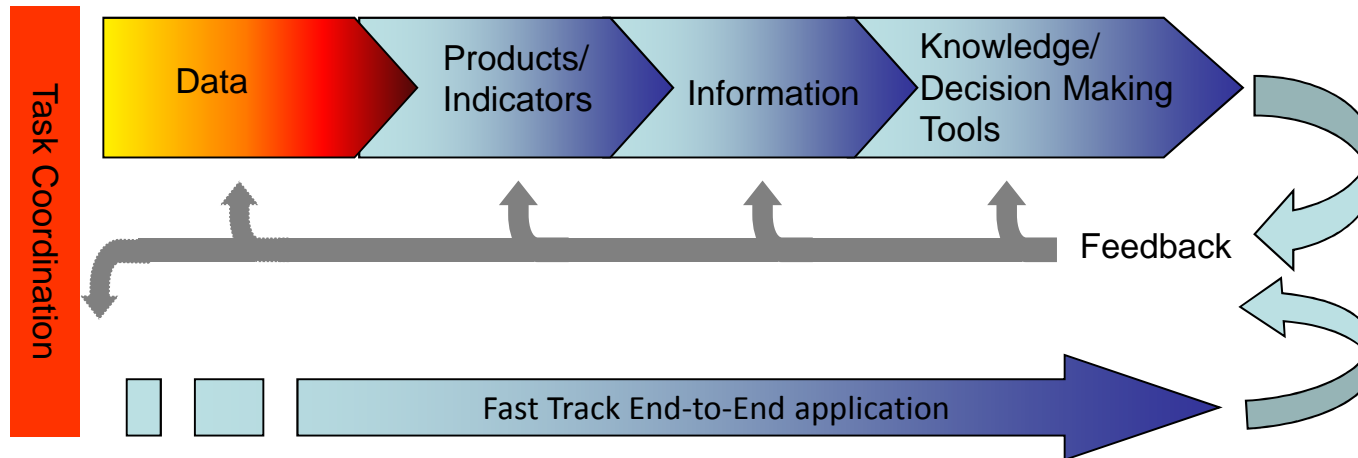
## Tuesday, April 21, 2015

8:30-9:00	Synthesis and review of service requirements, Introduction to system components Led by <b>Blake Schaeffer/Steve Greb</b>
9:00-9:30	<b>Keynote 5</b> Data (both in-situ <b>Philipp Saile/GEMS</b> and remote sensed <b>Mark Matthews/ University of Cape Town</b>
9:30-10:00	<b>Keynote 6</b> Products and Indicators <b>Carsten Brockmann/Brockmann Consult</b>
10:00-10:30	<b>Keynote 7</b> Information <b>Vittorio Brando/CNR-IREA, Nicki Villars/DELTARES</b>
10:30-11:00	Coffee
11:00-11:30	<b>Keynote 8</b> Knowledge <b>Hartwig Kremer &amp; Pascal Peduzzi/ UNEP</b>
11:30-12:30	<p>Component Breakout Session A <i>During these sessions, participants will be asked to attend one of four breakout groups, Each of the four breakouts will focus on one of the four major components and participants should attend the group that aligns with their interest and expertise. After lunch, participants will be asked to rotate and provide input into a second component .</i></p> <p>Component 1 Data- Facilitated by <b>Mark Matthews</b>            Component 2 Products and Indicators - Facilitated by <b>Steve Groom</b>            Component 3 Information- Facilitated by <b>Vittorio Brando</b>            Component 4 Knowledge- Facilitated by <b>Hartwig Kremer</b></p>
12:30-1:30	Lunch
1:30-2:30	<p>Component Breakout Session B.</p> <p>Component 1 Data -Facilitated by <b>Philipp Saile</b>            Component 2 Products and Indicators -Facilitated by <b>Daniel Odermatt</b>            Component 3 Information- Facilitated by <b>Nicki Villars</b>            Component 4 Knowledge- Facilitated by <b>Chris Mannaerts</b></p>
2:30-3:15	C1A and C1B reports and group discussion (Data)
3:15-3:45	Coffee
3:45-4:30	C2A and C2B reports and group discussion (Products)
4:30-5:15	C3A and C3B reports and group discussion (Information)
5:15-7:00	Social Mixer

# C4 Global Water Quality Products and Services

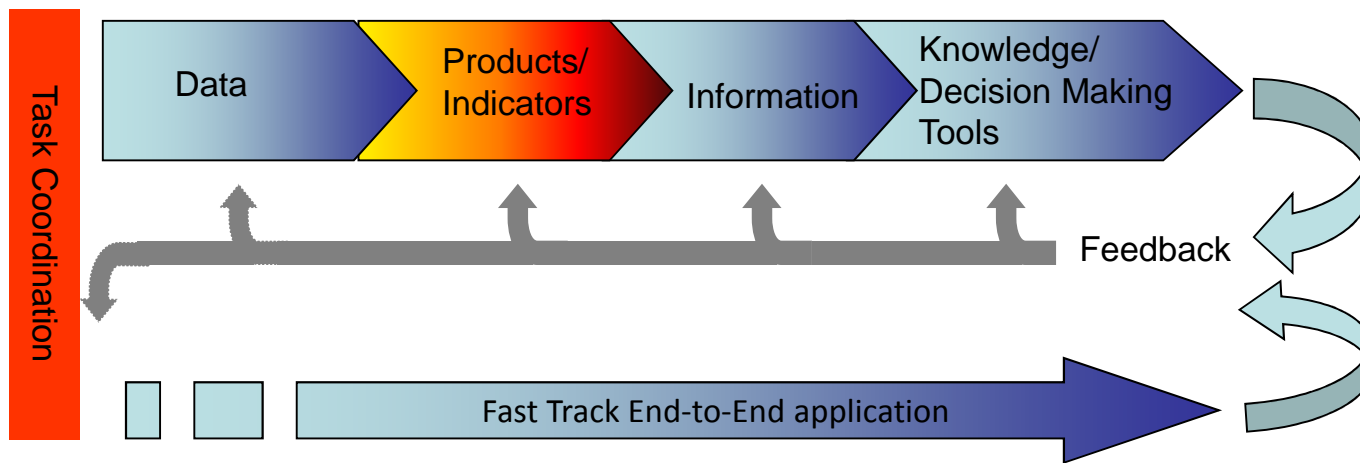


# C4 Global Water Quality Products and Services



- Satellite
  - Algorithms
  - Cal/Val
  - Etc.
- In situ (event and systematic)
  - Point measurements/validation
  - Continuous Monitoring
  - Crowd sourcing

# C4 Global Water Quality Products and Services



## Products and Indicators

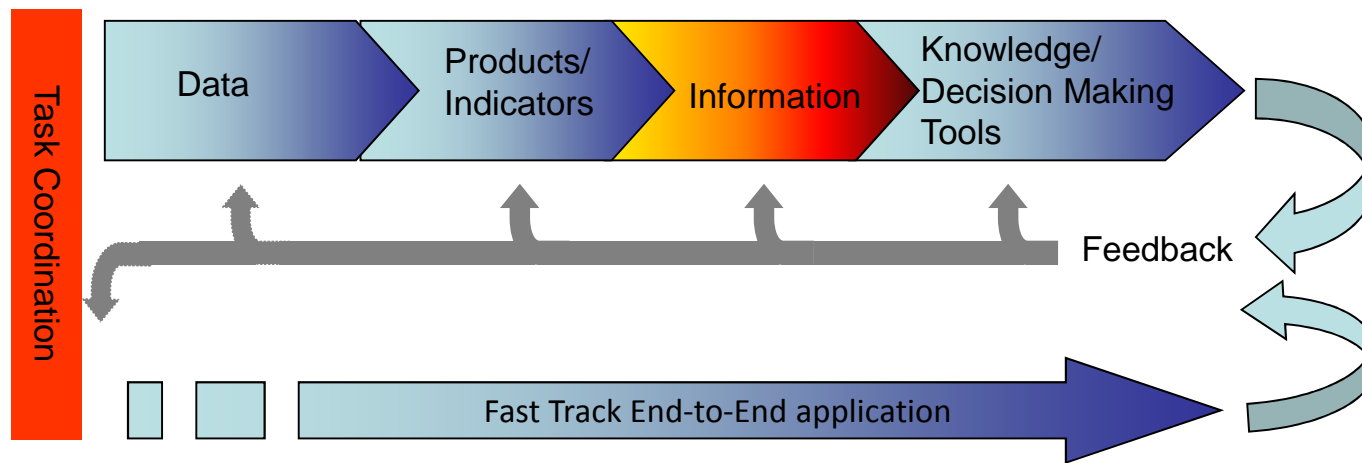
Biological

Chemical

Physical

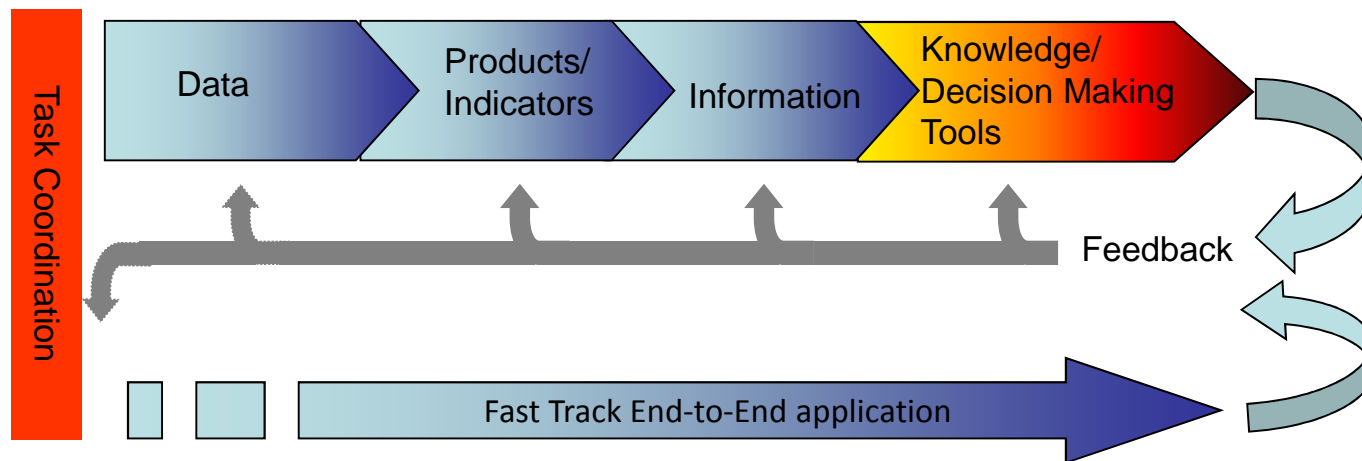
Socio-Economic

# C4 Global Water Quality Products and Services



States (retrospective and near real time)  
Forecasts and Predictions

# C4 Global Water Quality Products and Services



- Data, product, and information delivery systems
- Utilization and decision making tools
- Training, outreach and user engagement (education)