

# BIG EARTH WATER HACKATHON

Water Bootcamp and Workshops  
October 6, 2018

## Schedule

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|---------------|--|
| 10:00 – 11:30 | <ul style="list-style-type: none"><li>• Welcome and Opening Remarks (Shriram 104)</li><li>• Keynote Address: Professor Isha Ray, University of California, Berkeley</li></ul> <p><i>Water For All: Why Is This A Human Right?</i></p> <ul style="list-style-type: none"><li>• Logistics and Afternoon Schedule</li></ul> |
| 11:30 – 12:30 | Lunch and Mingle with Other Participants   |
| 12:30 – 2:45  | Project Pitches (see detailed schedule)  |
| 2:50 – 3:20   | Snacks and Drinks  |
| 3:20 – 4:00   | Workshops, Session #1  |
| 4:10 – 4:50   | Workshops, Session #2  |

## **Project Pitches (in Shriram 104)**

12:30 – 12:45p

*Harnessing Crowd-Sourced Business Reviews To Inform Water Policy* (Newsha Ajami)

12:45 – 1:00p

*Developing a Real-Time Water Sensor* (Sebastian Tilmans)

1:00 – 1:15p

*Machine Learning for predicting hurricane and coastal flooding impacts* (Brian White)

1:15 – 1:30p

*80,000 U.S. Dams — Fix-Em Up or Take-Em Down — A Major Data Challenge and Environmental Opportunity* (Dan Reicher)

1:30 – 1:45p

*Designing projects for an uncertain future* (Len Materman)

1:45 – 2:00p

*A Digital Water Energy Atlas* (Newsha Ajami)

2:00 – 2:15p

*Leveraging Big Earth data for natural hazards management* (Rafael Schmitt)

2:15 – 2:30p

*A Water Utility Dashboard* (Sebastian Tilmans)

2:30 – 2:45p

*California Safe Drinking Water Data Challenge* (Meredith Lee)

## **Workshop Schedule**

3:20 – 4:00p            Workshop Session 1

*Descartes Labs, Shriram 108*

*Matlab and Mapbox, Y2E2 101*

*Microsoft Azure and AI for Earth Challenge, Y2E2 111*

*Planet data and tools, Shriram 104*

4:10-4:50p            Workshop Session 2

*Descartes Labs, Shriram 108*

*Matlab and Mapbox, Y2E2 101*

*Microsoft Azure and AI for Earth Challenge, Y2E2 111*

*Planet data and tools, Shriram 104*