

## 5. Cooperation and Partnerships

ADRC forges cooperation and partnerships among member countries and partner organizations to advance disaster resilience.

### 5.1. Mobipack Project in Himachal Pradesh

To promote the use of innovative tools and technology in disaster risk management, ADRC and the University of Tokyo jointly initiated a pilot project on Mobipack in Himachal Pradesh, India with funding support from the World Bank.

#### 5.1.1. Project Description

Whenever a mobile phone subscriber sends a message or makes a call, his or her location is indicated in the call detail record (CDR), which the telecommunications companies store in their databases. Mobipack (an open-source software) can access and process the CDR data from the telecommunications company. Mobipack can visually show on a dashboard of a computer screen people's movement in near real-time (Figure 5.1. Visualisation of People's Movement). This data could help inform the disaster risk management (DRM) agency's decision to take appropriate actions, such as: (i) issuing early warning to people going to hazardous locations, (ii) monitoring disaster hotspots and infection outbreaks, (iii) informing evacuation operations, and (iv) informing the distribution of relief goods and supplies. The Himachal Pradesh State Disaster Management Authority (HP-SDMA) will be coordinating the installation of Mobipack in local telecommunications companies, covering the entire 12 districts.

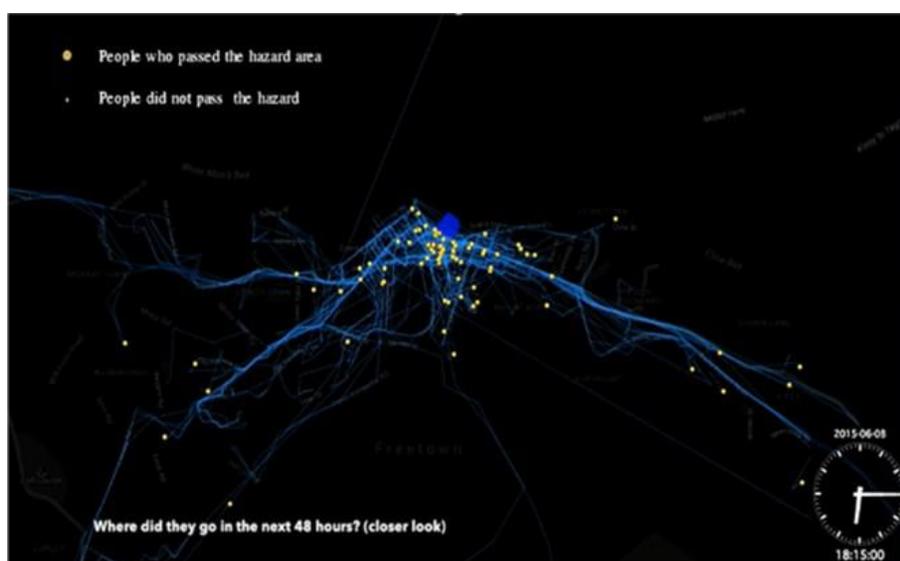


Figure 5.1. Visualisation of Movement Using Mobipack

### 5.1.2. Partners and Collaborators

The University of Tokyo is the technical partner of ADRC for this project. In its implementation, the project engages HP-SDMA of India and collaborating with the following organizations: (i) Department of Telecommunications, Government of Himachal Pradesh; (ii) Mobile Network Operators; (iii) Telecommunications Regulatory Authority of India (TRAI); (iv) Resilience Innovation Knowledge Academy (RIKA-India); (v) IIT-Hyderabad; and (vi) Asian Disaster Preparedness Center (ADPC). The collaboration is focused on implementing the following core activities: setting-up the data pipeline, setting-up the analytical pipeline, assessing the Mobipack enhancement that is tailored to the needs HPSDMA, and organizing lessons learned workshop.

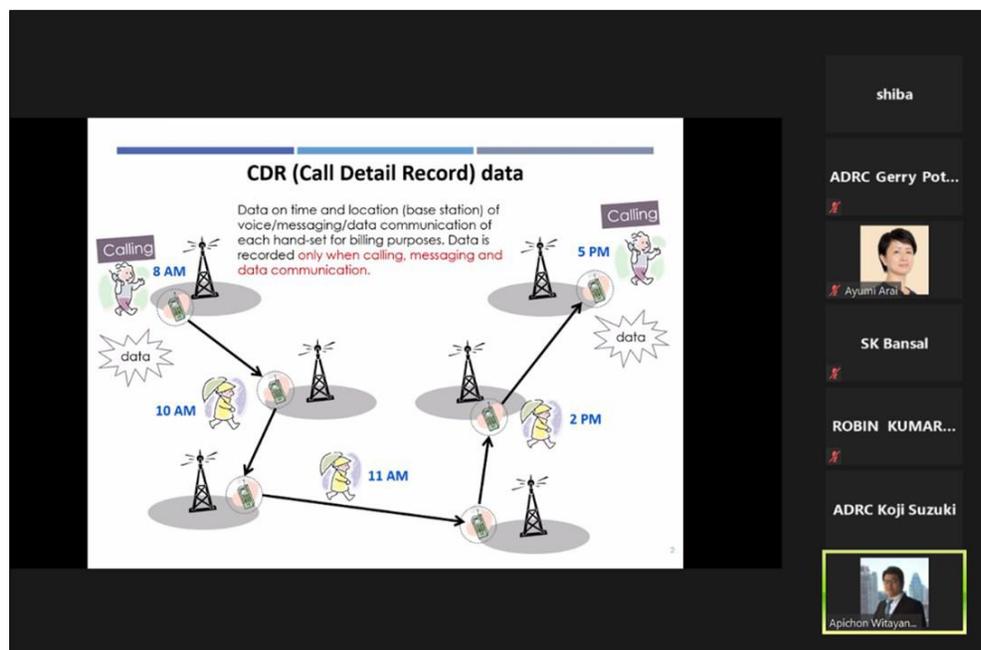


Figure 5.2. Virtual Meeting Among Partners

## 5.2. Networking and Engagement

Most of ADRC engagements during FY 2020 were conducted virtually due to COVID-19 pandemic.

### 5.2.1. APEC-EPWG

On 21 July 2020, ADRC virtually participated in the 16<sup>th</sup> Meeting of APEC Emergency Preparedness Working Group (EPWG). ADRC Project Director Mr. SUZUKI Koji, co-chair of the EPWG, moderated one of the sessions. Mr. NAKAGAWA Masaaki (Executive Director)