

| DISASTER MANAGEMENT        |          |   |   |
|----------------------------|----------|---|---|
| NGO Name                   | Theme    | Challenge   | Contact   |
| <a href="#">Flowminder</a> | CDR data | We have been tasked to support disaster management in Mozambique using CDR data to monitor disaster driven displacements. We will use a uniquely rich CDR dataset – covering all mobile network operators – to refine methods for scale up. We will undertake a survey with a sample of phone users to validate the displacement detection method for the 2019 cyclone season and quantify bias in CDR.       | Xavier Vollenweider<br><a href="mailto:Xavier.Vollenweider@flowminder.org">Xavier.Vollenweider@flowminder.org</a> |
| <a href="#">Flowminder</a> | CDR data | CDR data permit population mobilities to be reconstructed in remarkable detail. A first step is to infer each user's "home location", as well as other routinely visited "meaningful" locations, so that habits can be discerned and deviations detected (e.g. disaster displacements). We will administer a primary survey in around Accra to compare the performance of various "home location algorithms". | Xavier Vollenweider<br><a href="mailto:Xavier.Vollenweider@flowminder.org">Xavier.Vollenweider@flowminder.org</a> |
| <a href="#">WeRobotics</a> | Drones   | Manufacturers of drones and robotics solutions in the West continue to provide training in the Global South without any domain expertise in disaster response, sustainable development, environmental protection and public health. In so doing, they take jobs away from local experts.  | Patrick Meier<br><a href="mailto:patrick@werobotics.org">patrick@werobotics.org</a>                               |
| <a href="#">Medair</a>     | Shelter  | Floods account for 80% of disasters worldwide. South Sudan(SS) is currently experiencing heavy rainfall and flooding, affecting 800,000 people. Floods destroy the precarious homes made of local materials that don't resist the impact of water. Humanitarian aid is limited to distributing plastic sheets, bamboo, ropes. We need improved building materials to create flood-resilient communities.      | Dominika Bednarova <a href="mailto:dominika.bednarova@medair.org">dominika.bednarova@medair.org</a>               |