Information on weeds, covering species description, biology, ecology, distribution and control is essential for understanding weed growth and optimizing their management. WIKWIO is focused on the Western Indian Ocean region to develop species information systems on weeds of food and cash cropping systems.

WIKWIO aims to assimilate weed knowledge through its participatory portal to build and strengthen a Science and Technology network of stakeholders such as scientists, extension officers, teachers, students and farmers in the African region.

Participatory Portal
http://portal.wikwio.org

- **Species Pages**: 348 weed species; conforms to Species Profile Model
- **Citizen Science**: Reporting of observations with media, date and location; over 2900 observations
- **Maps**: Web GIS module for spatial data; WFS; interacts with species pages and observations
- **Documents**: Share reports and papers; enabled with species name parser
- **Groups**: Working groups on specific topics or region
- **Interoperable** with other initiatives through DWC archive

**Species Identification**
- Taxonomy capacity building tool
- Graphic driven, avoids jargon
- Permits missing information
- Tolerates observational errors
- Matches species without elimination

**Mobile Apps**
- Wikwio Citizen Science app helps upload weed observations to the Wikwio portal, with an image, date and location. Offers off-line functionality and interaction with community
- Wikwio IDAO app helps identify around 345 weed species from Western Indian Ocean and Southern African region