iHeritage – engaging citizen scientists in the Kailash Sacred Landscape

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Presentation outline

Citizen science
Evolution of iHeritage
Way forward
Citizen science is the process of public participation and collaboration in scientific research to increase scientific knowledge (NatGeo)

- Crowd-sourced science
- Community science

Source: https://citizenscience.org/
iHeritage mobile application
iHeritage is a citizen science-based application to collect data on culture and heritage in the Kailash Sacred Landscape.
iHeritage components

1. Need analysis
2. Design app
3. Collect data
4. Disseminate information
1. Need analysis

Limited documentation of culture and heritage
Located in remote areas
Many ‘unknowns’
2) Design

Architecture

- iHeritage Application
- API
- Web Server
- Database
Survey123 Connect

Interface
3) Collect

Trial of application
Field testing – India & Nepal
Feedback integration
Sample of citizen science data
4) Disseminate

Cleaning Data
Data analysis
- Examples:
  - Clustering
  - Text Analysis
Web portal Visualization
Way forward
Challenges using iHeritage

Survey 123 Connect
Limited Customization
Poor UI/UX
Smaller Icons
Difficulties in installing and accessing
Way forward

- Develop a stand-alone app
  - Advantage:
    - Easy to use
    - Customizable
  - Disadvantage:
    - Resource/effort intensive
- Currently in progress
Protect the pulse.