ilwis 4
INTEGRATED LAND AND WATER INFORMATION SYSTEM

THE NEXT GENERATION TOOL FRAMEWORK FOR GIS AND REMOTE SENSING

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ITC
52north
exploring horizons
ILWIS: the Integrated Land and Water Information System

- PC-based integrated Geographical Information System (GIS) & Remote Sensing software
- Developed by ITC
- Originally designed in 1985 for a land use zoning and watershed management project in Sumatra
- Used extensively in courses in and outside ITC, in research and projects
Spatial Decision Support System
Space-Time Cube
http://ilwis.itc.utwente.nl
ILWIS 4 objective

A framework to make ILWIS fit for the future – support a wider spectrum of use, users and developers

Easily implement, store and share scientific and project methods via software
ILWIS Architecture

Features:
- Modularity - Extensibility
- Interoperability
- Ease of development & use
- Support Web and Mobile users
- High performance
ILWIS GUI

- New setup
- Built using Qt-QML
- Still quite alpha
NDVI = \frac{(NIR-Red)}{(NIR+Red)}
Workflow builder
Python API

- All ILWIS functionality accessible through Python
- Alternative way to build workflows
- Python 3.x
New development – an integrated approach
ILWIS processing plugin in QGIS

- (Part of) ILWIS functionality accessible in QGIS
- Through Processing plugin
- Combine and visualise ILWIS results with other data and web resources
- Proof-of-concept worked
- No resources at present for further development...
ILWIS Community

You are invited to try ILWIS and tell us your experiences

We welcome use cases which involve raster image processing:
- Workflows represented in Python
- Workflows created with the ILWIS Workflow Builder

Help build the software...?
Contact the ILWIS Community Lead
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