



Best Practices Wiki

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Report to GEO Committees

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What is a best practice?

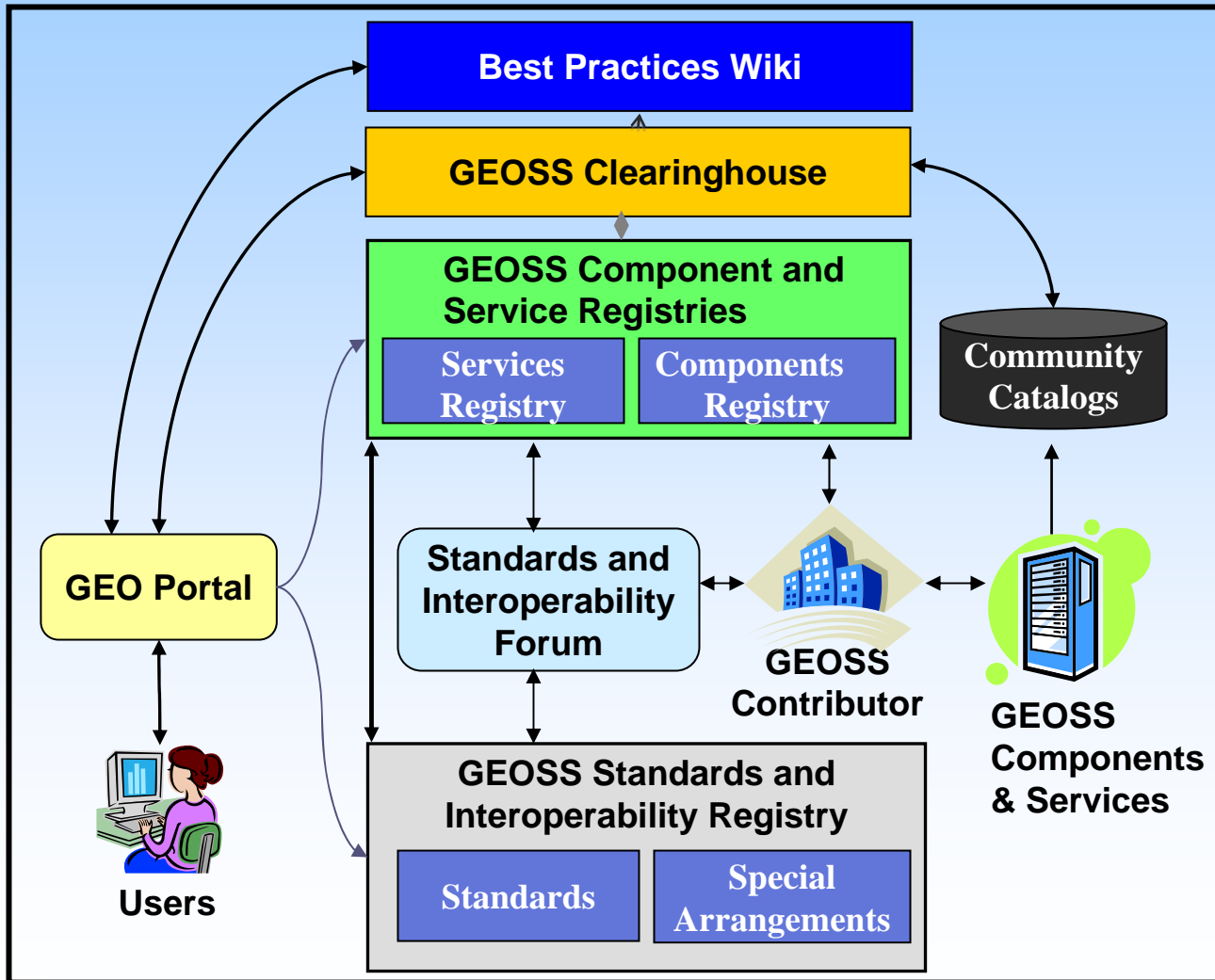
- **Best practices are broad – they can be in outreach and capacity building, observation techniques or models and analysis**
- **They can be very simple or complex**
- **They can be local, regional or global**
- **They can (and should) be determined by peer acceptance**

Best Practices Wiki for GEOSS

Best Practices Wiki will be a clear contribution of GEOSS to the global community


- **Provides an open forum for converging on best practice recommendations and reviews**
- **Reaches out to a broad community**
- **Flexible structure can be easily adapted using lessons learned**

Best Practices within the Architecture




Best Practices Wiki is Available on Web

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GROUP ON EARTH OBSERVATIONS



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GEOSS Best Practices Wiki

This wiki is for the aggregation and community review of best practices in all fields of Earth observation. It is being provided by the IEEE Committee on Earth Observation (ICEO) to the intergovernmental [Group on Earth Observations](#) (GEO), which is leading a worldwide effort to build a Global Earth Observation System of Systems (GEOSS).

If you wish to submit a practice for review, please create a new page for it under an appropriate subject heading. If your practice doesn't fit easily into one of the existing subject areas, please enter it under the "Other" heading. In that case, ICEO editorial staff will review the material and place it in an appropriate spot or, if appropriate, add a new subject area.

Once submitted, your best practice(s) will be open for community comment and edit. Wiki editorial staff will moderate the process as necessary to eliminate spam or malicious entries

To add a page or comment you must first register using the button to the left.

Click [here](#) to see the list of practices under discussion. From this link you may also submit a proposed best practice.

NOTE: This wiki supports Internet Explorer 6 & 7 and FireFox 1.0.7, 1.5, and 2.0. If you are not using one of these browsers you will be unable to edit or comment on entries. If you need FireFox, you can download from here: <http://www.mozilla.com/en-US/firefox/>



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Best Practice Template Example

This template has been included under the [How To](#) section of the wiki, so that individuals and organizations interested in submitting a best practice can easily see what information will be required in order to submit a best practice. Do not attempt to edit the template here if you wish to submit a practice. Instead, please see either the information on [submitting a best practice](#) or [submitting a document](#).

The following template should be filled out for each best practice or document submitted. Use of the template ensures that all important information is included in the entry. The information to be included is as follows:

Subject area/Theme:

Pick one of the existing GEOSS themes or one of the transverse areas. If none of the listed subjects/themes apply, please enter your practice under the "Other" heading.

Short summary of Best Practice:

This practice ...

Explain why is there a need for this Best Practice?

This practice is needed because ...

Provide an example application(s):

1. Application A
2. Application B

How widely deployed is this practice(if applicable)?

BP Wiki Concept of Operations

- **Individual or organization proposes a practice for consideration as a “best” practice by submitting an entry in the wiki.**
- **Submitted practices undergo an open peer review process in the wiki.**
 - Comments in the wiki are publicly accessible, facilitating a moderated community dialog.
- **Editors work with their communities to encourage dialog and submission of comments**
- **Editors also assure that malicious insertions are eliminated.**
 - Original contributors should also monitor activities

Editor Activities

- **review newly submitted practices** for applicability to their subject areas and to address any erroneous or malicious entries
- periodically review and **respond to comments on practices** in their area that are in the review process
- **solicit comments** on proposed practices from their communities
- **solicit proposed practices** from their communities if needed
- **annotate conflicts between practices in the wiki** in the hopes of eliciting further review and comments leading to resolution of the conflict
- **keep their communities informed** about the status of the practices that have been proposed in their area
- **correspond with submitters** to keep them informed of the status of their submittal (**this may be automated**)
- **examine need for and if needed develop processes** to accept or approve submitted best practices
- **collaborate with other members of the “editorial” team and participate in “team” activities including periodic telecoms, etc.**

Logistics

- **Editors team meets monthly via telecon**
 - Standard operating procedures are in development
- **Editor's only spend a few hours per week on this task (at most)**
- **Multiple editors for the same area are a good thing:**
 - Can split the work (e.g., along subject lines)

Editorial Volunteers

GEOSS Theme	Editors
Disasters	Paolo Gamba
Health	Gudrun Zahlmann
Energy	
Climate	Bill Emery
Agriculture	
Ecosystems	
Biodiversity	Stefano Nativi
Water	
Weather	Bill Emery
Cross-cutting Area	
User engagement	
Architecture & Data	Ruth Duerr (Data); H.K. Ramapriyan (Architecture); Eric Delory & Masahiko Nagai (Ontologies)
Science & Technology	Michelle Grobbelaar (Geosciences); Daniel Segó (RADAR Remote Sensing)
Capacity Building	Hilc�ea Ferreira & Chris Mannaerts
Other	
Oceans	

Implementation Schedule

Prototype Wiki was implemented on the web in February 2008 with call for comment.

GEO Executive Committee reviewed and approved the Wiki approach for the Best Practices Registry. Suggestions of the Executive Committee were incorporated into a update completed April 2008

Wiki began initial operations in June, 2008 following ADC and GEO ExCom approval.

Additional Associate Editors are being solicited

One year period of initial operations and then review of efficacy of wiki approach to facilitate propagation of best practices for GEOSS.

Submitted Practices

- **Submitted documents**
 - CEOS WGISS Interoperability Handbook
 - Some practices have also been entered as separate practices
- **Submitted practices**
 - 9 under data and architecture
 - 11 under user engagement

Other Activity on the Wiki

- **The MERIT health initiative has an area with meeting minutes, lists of collaborators, etc.**
- **GMES Network of Users (GNU) has started a page that points to all of the practices they have submitted**

ISSUES

- **How do we encourage initial and continuing contributions and participation?**
 - Process to maintain high level visibility to assure continuing participation in Wiki and other information infrastructure elements
- **Are processes needed to identify practices that have had considerable community review and are stable?**
 - Should there be an acceptance or approval process?
- **How to handle “best” practices that have already been accepted by other international organizations?**
 - For example, after a CODATA committee on data management best practices completes its work in Nov. 2008, upon approved by the full committee these practices will be submitted as best practices for GEOSS. How would CODATA address the responses?

Best Practices Wiki - Summary

- Wiki is on-line at <http://wiki.ieee-earth.org>
- Expert volunteers are being solicited
- Entries are welcome and encouraged
- Comments on the process should be provided to Ruth Duerr at ruth.duerr@ieee.org
- Your participation is important. Exposure of the Wiki through Members and Organizations and the GEO Secretariat is critical to BP utility

Thank You

Submitted Practices - Data and Architecture

- **Bottom up aggregation of land cover data**
- **Data Access**
 - Order Completion
- **Data Archiving**
 - Archive Model
 - Data Appraisal
 - Producer Interface
 - Purge Alerts
 - Shared Vocabularies
- **How to Cite a Data Set**
- **Management**
 - Data Policy

Submitted Practices - User Engagement

- **Communication between users and providers**
 - Continuous interaction with users
 - Managing expectations of users
 - Penetration of user organisations
 - Standardised Service Level Agreements
- **Economy**
 - Cost transparency regarding data product use
 - Funding evaluation of data products
 - Funding users' participation in product development
- **Governance**
 - Collaborative projects led and managed by users
 - User-driven procurement
- **User Interactions**
 - Community Portals
 - Community Workspace

Wiki – what is that?

Wiki software is a type of collaborative software that typically allows web pages to be created and edited by all participants using a common web browser.

How does a “Wiki” work?

Wiki software is collaborative software that allows web pages to be created and edited.

Wiki software is collaborative software that allows web pages to be created and edited **using a common web browser** .

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