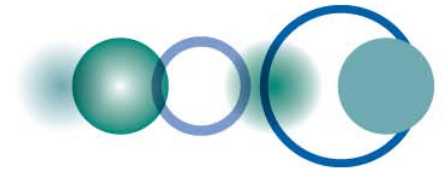




AR-09-01a Sub Task Report: Standards and Interoperability Register (SIR)

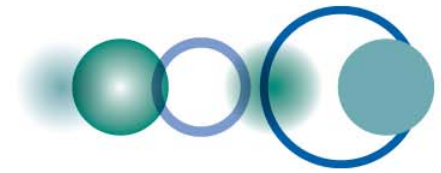
Steven F. Browdy





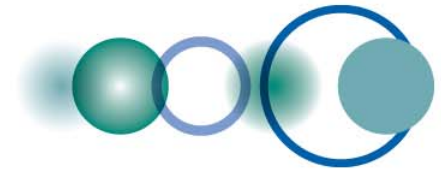
Current Status

- 146 entries contained in SIR
 - 133 Standards
 - 13 Special Arrangements
- Version 2.00 is operational
 - New submission fields
 - GCI Requirements satisfied
 - CSR interoperability
- Formal reviews of SIR entries in progress via SIF workflow tasks



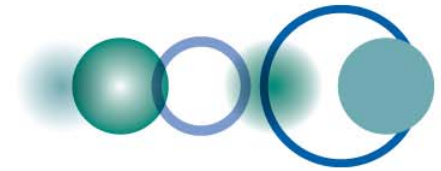
SIR 2.00 New Features

- Additional submission fields for registration
 - Secondary taxonomy category (supports better discovery)
 - Superseded entry
 - Name (compact title), Version
 - Author paired with publisher
- Automatic generation of URNs, when necessary (URNs used as unique identifiers for SIR entries)
- Change history maintained for record integrity

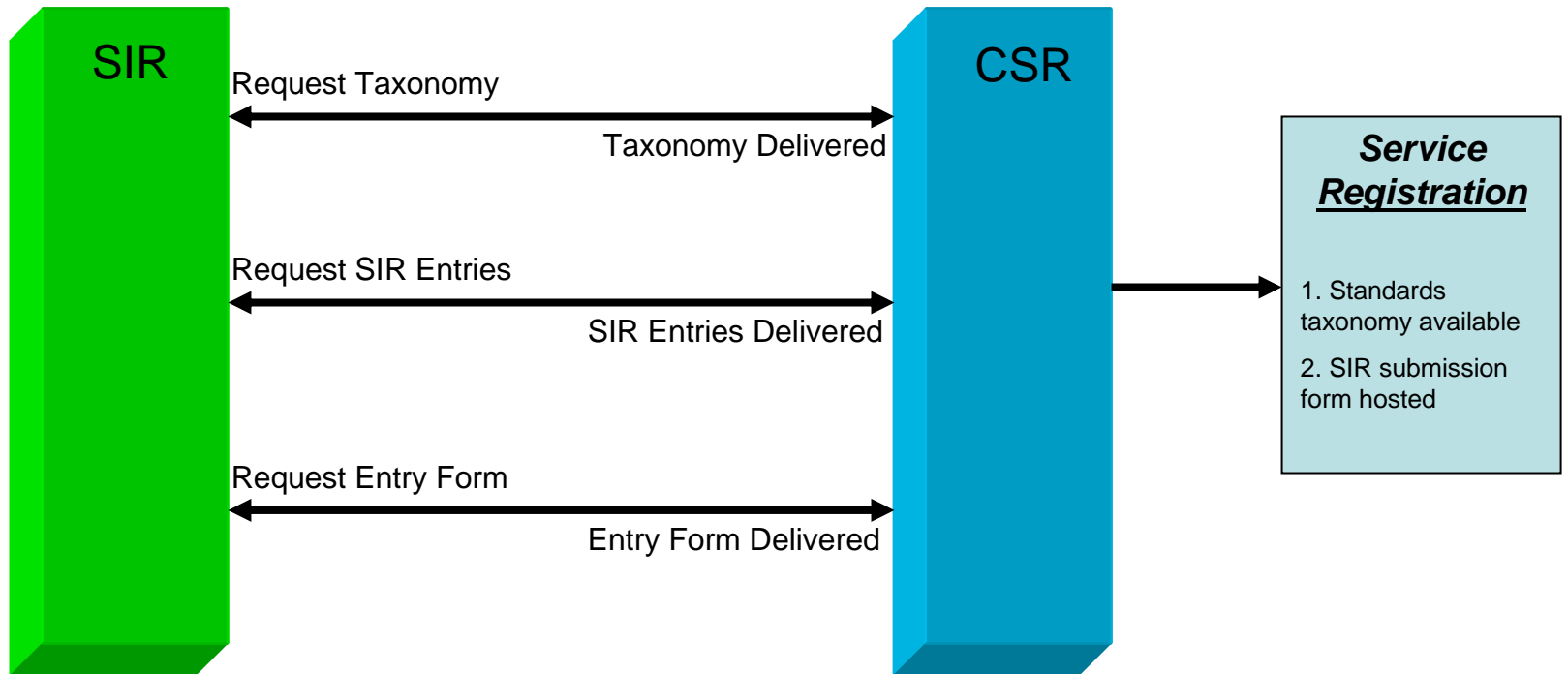


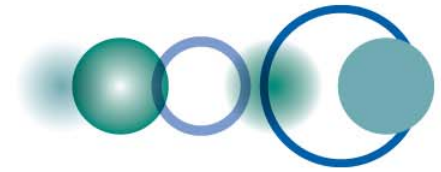
SIR 2.00 New Features

- Enhanced searching options
- Feedback mechanism and HELP forms to meet GCI requirements.
- CSR Interoperability
 - Taxonomy
 - SIR entry form metadata for CSR hosting
 - Notification of SIR changes (final testing)
 - Deletion, promotion
 - State changes (retire, supersede, withdraw)
 - Entry modifications (field values)

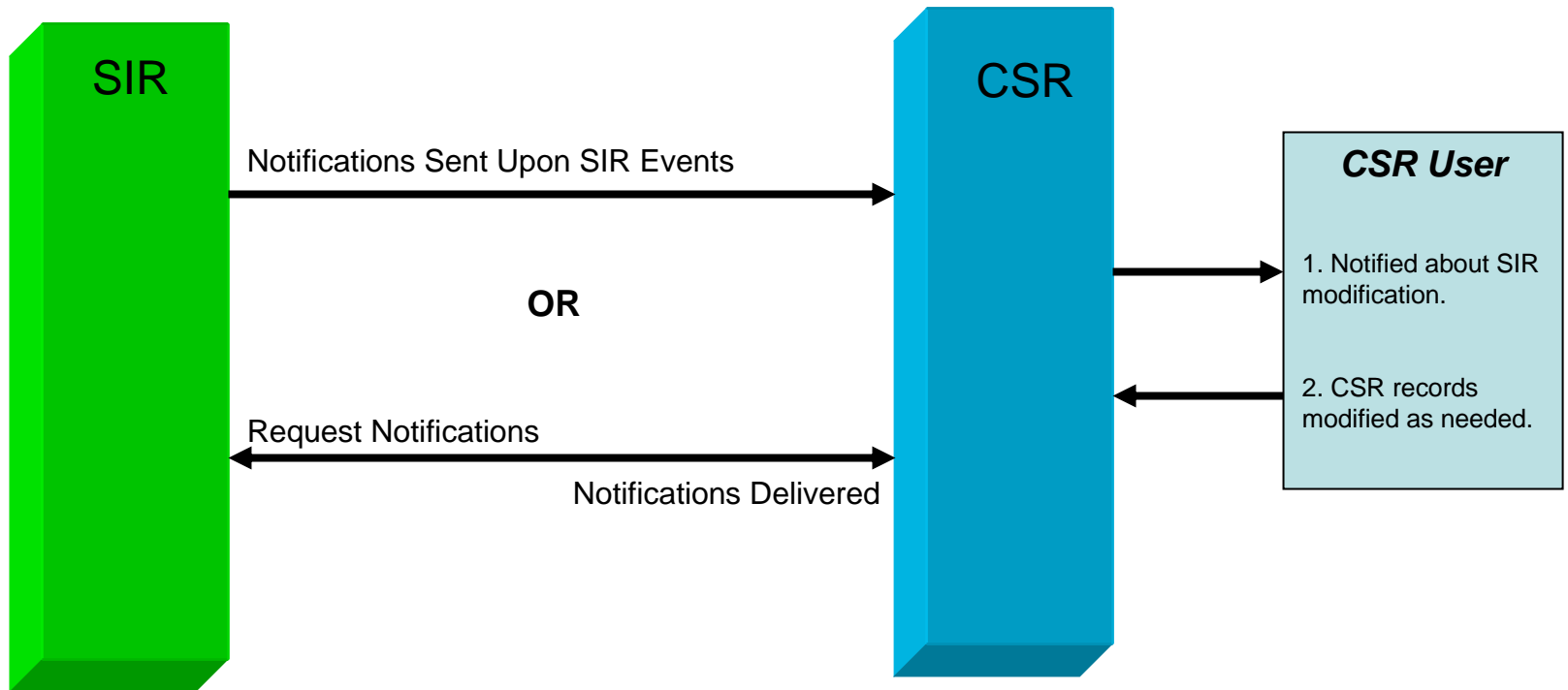


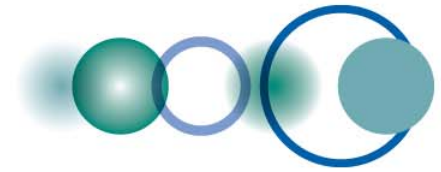
SIR–CSR Interoperability





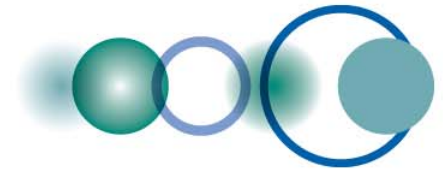
SIR → CSR Notifications





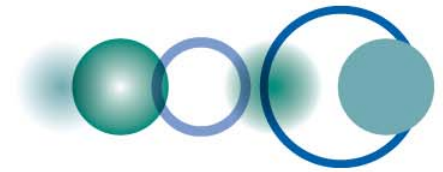
Existing Issues

- Need more registration of special arrangements (SIR is loaded down with known standards) ???
- URN uniqueness
 - URN assignment procedure by SDOs is difficult to follow, where one exists
 - URN resolvers not reliable (duplicate URNs possible)
 - Validating URNs is time consuming and inconclusive
- Duplicate records
 - Identical, or near identical, is easily handled
 - Equivalent standards from different SDOs
 - Looking into associations between SIR entries



Future Plans

- Near-term
 - Access to CSR entries associated with SIR entries
 - New taxonomy
- 2010 (Planned)
 - Associations between SIR entries
 - Enhanced automation between SIR and SIF workflow system
- 2010 (Tentative)
 - CSW interface deployed
 - Design and implement interaction with BPW



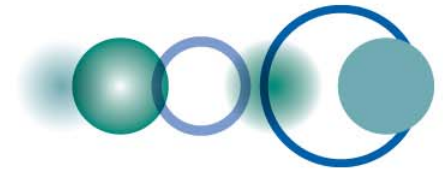
AR-09-01a Sub Task Report: Standards and Interoperability Forum (SIF)

Siri Jodha Singh Khalsa

David Arctur

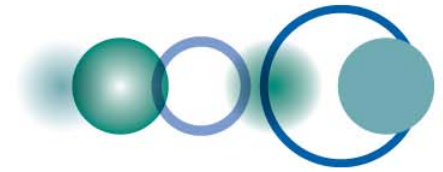
Steven F. Browdy





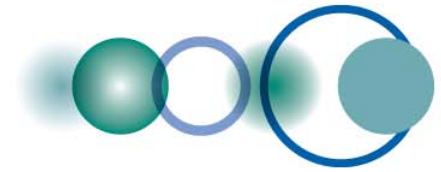
Status

- Regular biweekly meetings
- Business primarily SIR maintenance
- Minutes emailed and available on ftp site
 - ADC co-chairs can review
 - SIF participants can review
- Recent support by GEOSec (Robert Koopman) much appreciated



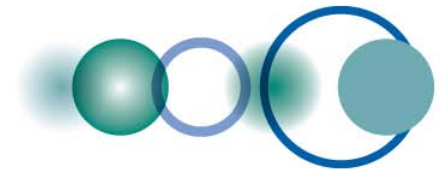
Tracking Interoperability Activities and Issues

- Review and provide inputs on GCI testing
- Participation in IOC-TF evaluation
- Review of Strategic Targets document
- Discussion with HMA
- Participation in QA4EO
- Participation with AIP and assistance with AIP engineering reports



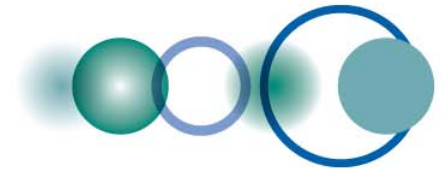
Current issues

- Participation still lagging
 - Having few people means long time to review all registry entries
 - Need more experts
 - Looking into URN procedures by SDOs
 - Difficult to have people tracking all relevant GEO tasks and activities
 - Need more active participation to realize mission
- Must have core group consisting of:
 - Representatives from key GEO tasks
 - Representatives from SIF Regional Teams



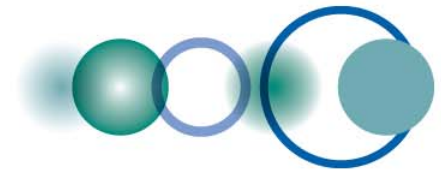
Way Forward – Reinvigorating the SIF

- Have GEOSec recommend that each GEO Member and Participating Organization supply an actively engaged individual to the SIF as a member of:
 - the SIF Management Team
 - a SIF Regional Team (currently 7)
- Update operations plan
- Issue second SIF CFP
- Institute new options for involvement
- Enhance outreach activities



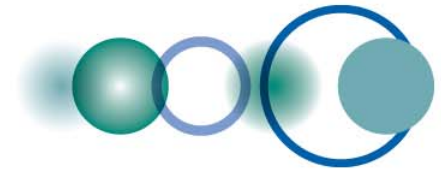
Operations Plan

- Biweekly telecons of SIF Management Team
 - Task review
 - Handle oversight of SIF activities
 - Deal with overarching SIF issues
 - Interact with Regional Teams
- Temporary Working Groups set up as needed
 - URN issue
 - Standards convergence
 - SIF newsletter
 - SIF outreach (interoperability advocacy)
- Mandatory telecons every 1-2 months
 - RTs, WGs report out to SIF Management Team
 - Prepare report to ADC
- Annual all hands meeting around GEO Plenary meetings
 - Review accomplishments, activities, and future directions



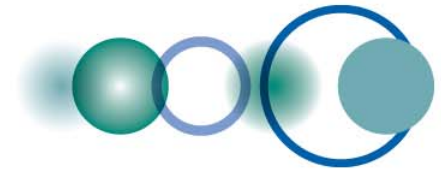
A second SIF Call for Participation CFP

- Two year time commitment suggested in first CFP (June 2007) has expired
- Opportunity to have Member countries and Participating Organizations recommit
- Specify online response via SIF contributor webform
 - Already set up and functioning
 - Entries automatically stored in SIF contributor database
 - Uploaded CFP responses automatically available online for SIF



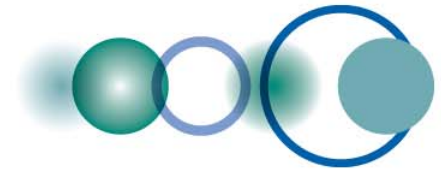
Options for Involvement

- Management Team
 - formal response to CFP required
 - responsibilities discussed earlier
- Other roles
 - formal response to CFP optional
 - can be general SIF participant or member of a RT
 - SIR Overseers
 - will review SIR entries and provide ongoing oversight of the SIR
 - Testers
 - will perform ongoing analysis and testing of the SIR and related GEOSS Common Infrastructure components



Options for Involvement

- Other roles continued...
 - can be general SIF participant or member of a RT
 - Interoperability Advocate
 - will gather information on interoperability activities from related GEO tasks, Work Groups, and Communities of Practice, facilitate communications between the groups, generate appropriate documentation for supporting and disseminating interoperability information to all of GEOSS, including potential GEOSS and other providers and consumers.
 - Interoperability Advisors and Domain Experts
 - Will act as technical consultants to assist GEOSS providers with registration, metadata, and usage of GEOSS-registered standards and special arrangements



Outreach (Interoperability Advocacy)

- Important to have high visibility of SIF on GEOSec web pages
 - main access to overall interoperability assistance
 - descriptions of assistance activities
 - easy access to SIF web pages
- SIF Newsletter
 - to focus on GEOSS interoperability-related tasks, such as AIP, Data Harmonization, Ontology, and Best Practices Wiki
 - to be disseminated throughout GEOSS and among potential GEOSS providers, consumers, and CoPs.
 - will help to build a strong team of participants
 - mentioned in the CFP