

CEOS Virtual Constellation Status and Issues

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Virtual Constellations

- Defined as a GEO task, AR-09-02 “Virtual Constellations”
- SIT Chair is assigned as a lead of total VC activity
- Individual VC activities are going well

Past discussions on VC



- SIT-25 in Tokyo
 - Significance of long term observation
- Plenary in Rio de Janeiro
 - Portals and GCI support
- February WS in Arlington
 - Meta-data supply to GCI Clearinghouse through IDN
- SIT-26 in Frascati
 - CEOS Portal Study progress report
 - IDN support for GCI was agreed
 - VC cooperation to WG Climate

Tagup teltecon with VC leads



- Tag up telecons with VC leads making sure in particular the topics in SIT meetings
 - ACC: Rich Eckman on Aug 17
 - LSI: Tom Holm on Aug 17
 - PC: Steve Neeck & Riko Oki on Sept 1
 - OSVW: Paul Chang on Sept 1
 - SST: Ken Casey on Sept 1
 - OST: Eric Lindstrom on Sept 7
- Main Topics:
 - Target users
 - Data portal status
 - Cooperation with WG Climate

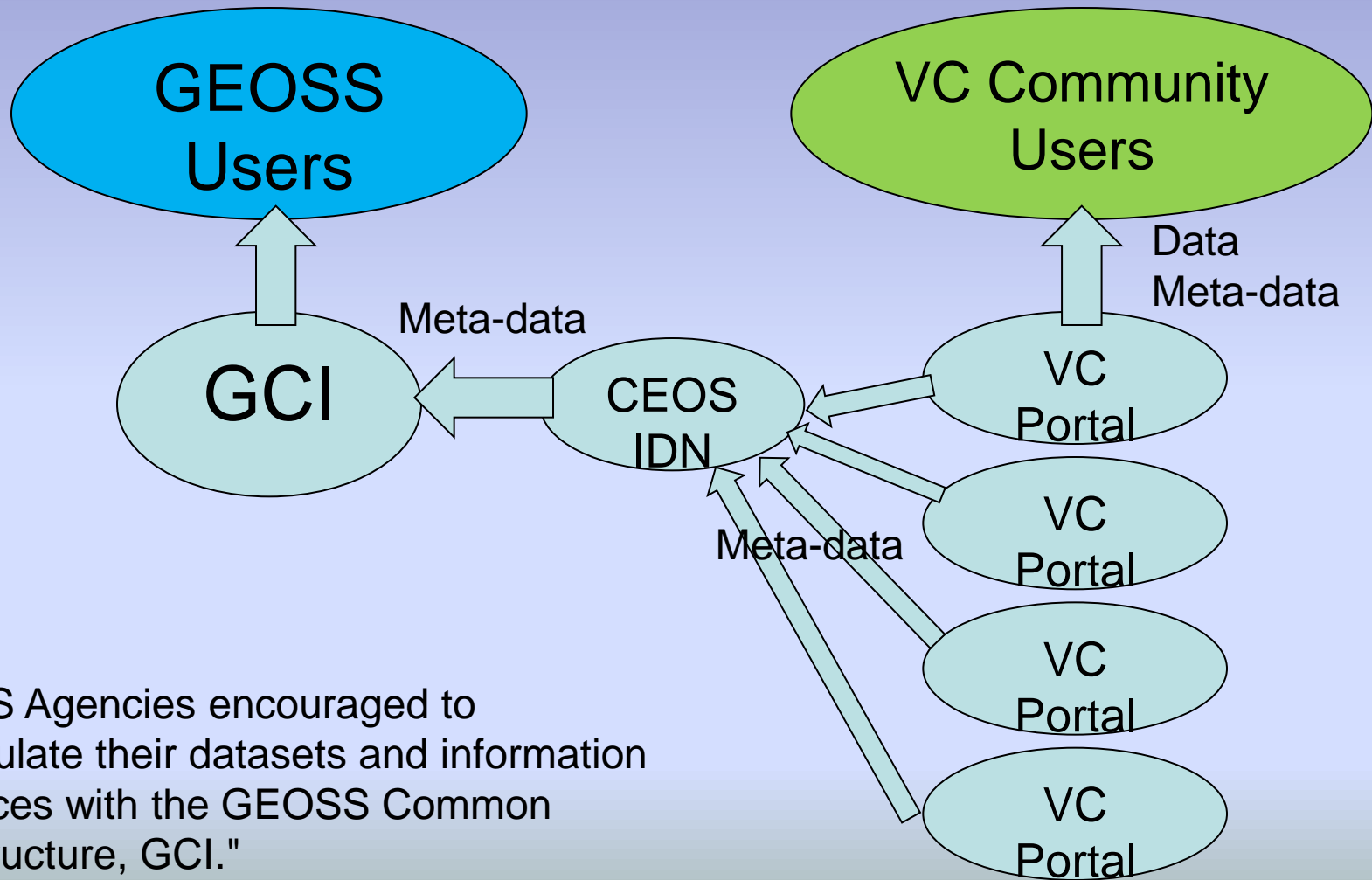
Findings on VC portal



- VC portal registration to GCI
 - Most VC portals are for community users
 - Most VCs have less motivation to register to GCI
- Document meta-data of VCs
 - WGISS has developed IDN and it has rich meta-data including VC meta-data
 - IDN support to GCI was agreed at SIT-26



VC Data Portals in support of GCI



" CEOS Agencies encouraged to accumulate their datasets and information resources with the GEOSS Common Infrastructure, GCI."

VC support to WG Climate



- VC teams are positive to cooperate with WG and they need to know concrete requests
- Current 7 VCs* can support around 10 EVCs
- The cooperation is a model for future requirement from “**comprehensive observation requirement**” such as “Global Carbon” and “Global Water Cycle”
- It should be considered by VCs in the course of cooperation

Conclusion



- Virtual Constellations
 - VC activity realizes the nature of CEOS
 - As GEO task VCs data need to connect with GCI
- Meta-data support
 - Meta-data accumulation in GCI helps to increase GEOSS users
 - Existing CEOS IDN can systematically supply CEOS meta-data to GCI
- VC support to WG Climate
 - Existing VCs can support not all ECVs
 - To respond “Comprehensive Observation Requirement” is a new challenge of CEOS