

Contribution to GGOS Retreat: Comments on GGOS Vision and Interaction with IAG Services

- **Relationship between GGOS and IAG Services ?**
- **GGOS Role**
- **IAG Services Role**
- **Qualification and compatibility of the products of the services**
- **Some questions**

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GGOS \Leftrightarrow IAG Services

- **There should be a mutual agreement between GGOS and the IAG Services for the benefit of Geodesy and its contribution to GEOSS**
- **A double-direction agreement between GGOS & the Services:**

Obligations/duties in both directions

GGOS role/obligations

GGOS should:

- be the window, mirroring and promoting the geodetic products of the IAG services
 - Encourage/urge **all** the Services to contribute to GGOS
 - Identify all useful/applicable products to GEOSS
 - Identify all possible fields of applications of the products
 - Advocate the usefulness of products to GEOSS
 - Feedback to Services about user requirements
 - Rely on the expertise of the services
 - Provide 'estimators', via info. from the services, to qualify products : reliability, uncertainties, accuracy, time-life
 - Ensure the best usage of the products
- ==> provide tools to users ?**

Are there rules or obligations of GEOSS that GGOS should follow ?

Role/Obligations of the Services

IAG Services should:

- **Ensure the availability & permanency of their products**
- **Ensure the best attainable quality of their products**
- **Provide product quality estimators for reliability, uncertainty, accuracy**
- **Interact together to ensure compatibility and interoperability of their products**

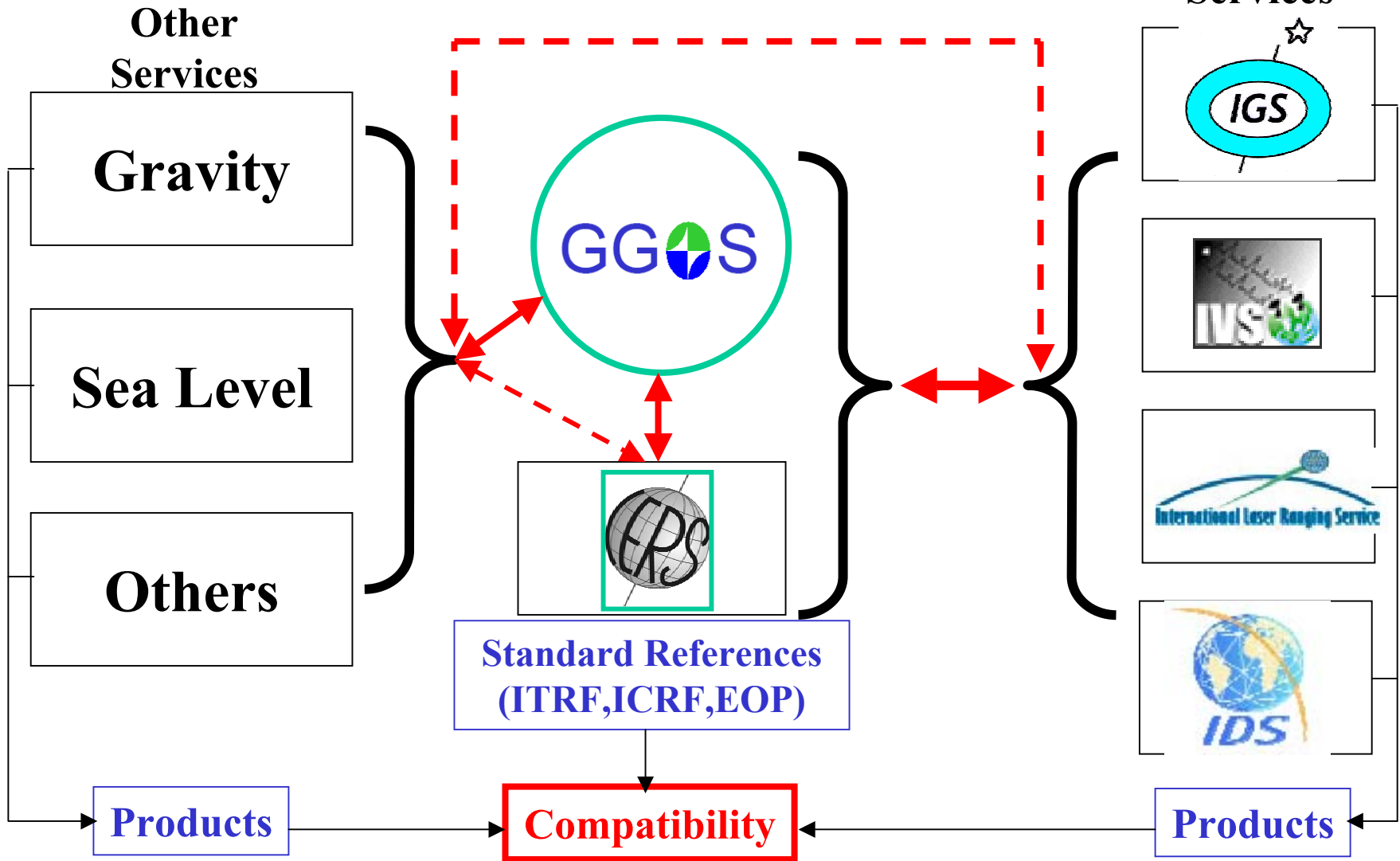
Will the non-legal-entity status of the services be a problem in the future within GEOSS ?

Compatibility/Interoperability of the products of the Services

- All services contribute to GGOS
- Implies one official set of products per Service : “camera-ready” for the users
- Sets of products should be compatible and interoperable
- All products should adhere as close as possible to the same (IERS) conventions
- Should refer (be expressed in) the same Reference Frame
example: TRF and EOPs official sets of IVS, ILRS, IGS, IDS should be rigorously expressed in the ITRF
- IERS is and should remain the provider and keeper of the Global Standards (ITRF, EOP & ICRF)
- **Clarify compatibility between products of space geodesy services and other services (Gravity, Sea Level, etc.) ?**

GGOS and Services Relationship

Space Geodesy Services



↔ There is (should be) a link & interaction

↔ Link to be clarified/enforced

Summary/Questions

- **Double-direction agreement GGOS \Leftrightarrow IAG Services**
- **Are there rules or obligations of GEOSS that GGOS should follow ?**
- **GGOS should provide “Camera-Ready” products, that are interoperable (refer to the same RF)**
- **IVS, ILRS, IDS still need to provide “Camera-Ready” products**
- **Product quality estimators should be clear for the users**
- **Provide tools for users ?**
- **Should GGOS provide non- ‘Camera-Ready’ products for specialized users ?**
- **How to clarify compatibility between products of space geodesy services and other services (Gravity, Sea Level, etc.) ? WGs ?**
- **Will the non-legal-entity status of the services be a problem in the future within GEOSS ?**