


Current Status VLBI: German Contribution to IAG services (BKG)

- ❑ BKG operates with partners 5 VLBI telescopes:
 - Geodetic Observatory Wettzell (GOW) [3]; Partner TU Munich;
(*GOW is a critical infrastructure*)
 - Argentinean-German Geodetic Observatory (AGGO) [1]; Partners CONICET, IGN
 - GARS O'Higgins [1]; Partner DLR
 - ❑ BKG operates / contributes to VLBI correlation:
 - Bonn correlator; Partners IGG Bonn, MPIfR Bonn
 - GOW correlator
 - ❑ IVS Operation Center; Partners ETH Zürich, TU Wien
 - ❑ IVS Analysis Center
 - ❑ IVS Combination Center; Partner TU Munich
 - ❑ EOP rapid combination and prediction
 - ❑ IVS Data Center
 - ❑ IERS Central Bureau
- } Agreements
In-Kind
- ⇒ Agreement, Funding
- ⇒ Agreement, Funding
- } In-Kind
No formal
Agreements

Developments at BKG, Desired Status VLBI / Global Geodetic Supply Chain

- ❑ BKG is partner in CODE (Center for Orbit Determination Europe)
 - Partners AIUB, swisstopo, TU Munich
 - Bernese S/W will be updated to enable VLBI processing
 - ❑ BKG aims to install a VGOS telescope at AGGO 
- } Agreements, Funding
- In-Kind, Agreement planned
- ❑ It is desirable to sustain the global geodesy supply chain
 - ❑ As part thereof, it is desirable to sustain the *complete* VLBI supply chain
 - To some extent, agreements with partners exist (e.g. GOW, AGGO, Bonn correlator)
 - Large parts of the supply chain are not sustainable. In particular, contribution to the IAG Services is on a voluntary basis, no formal agreements.
 - It should be assessed if and how agreements (bilateral, multilateral) or agreements with the UN may circumvent this problem.