

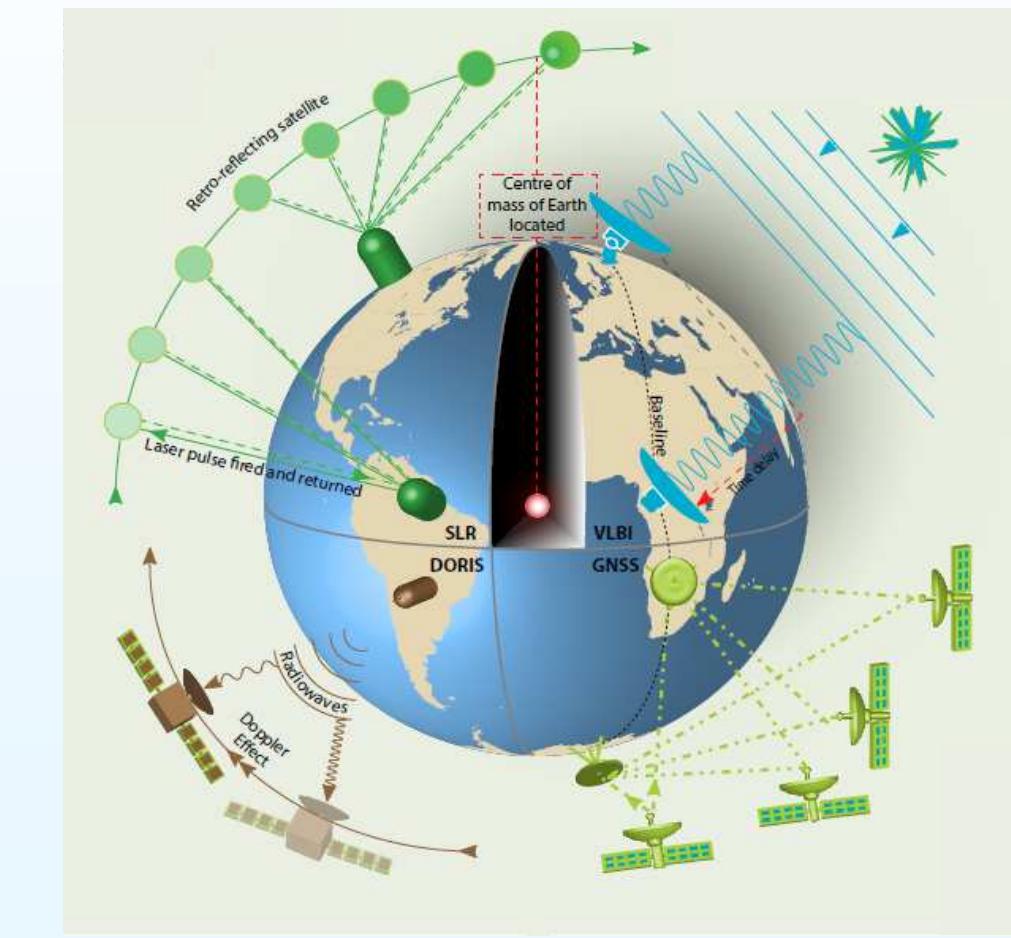
Summary of Reference frames in practice workshops

Outline

- FIG Commission 5 Reference frames in practice wg
- Global Geodetic Reference Frame
- National reference frames
- User requirements
- Role of deformation models
- Future of positioning
- Coming events

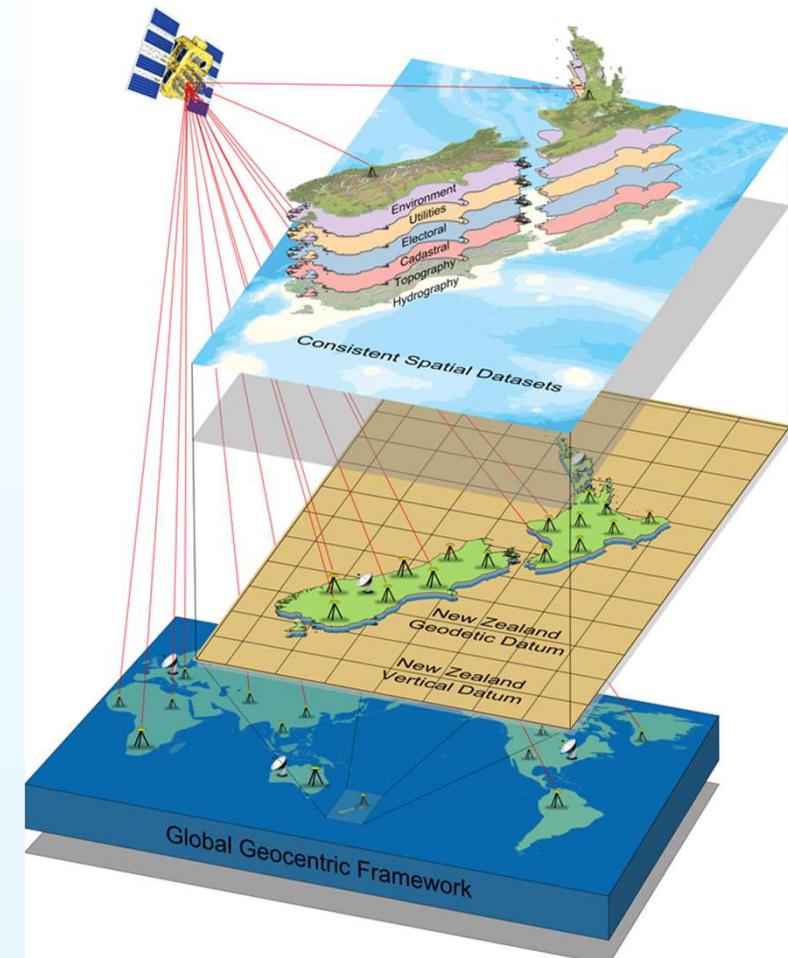


Global Geodesy

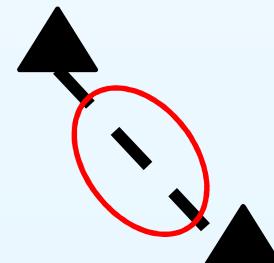
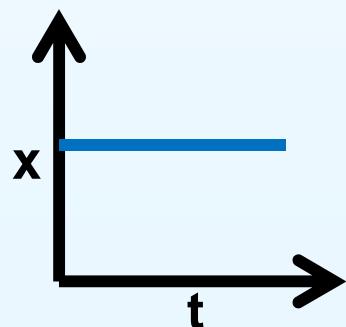
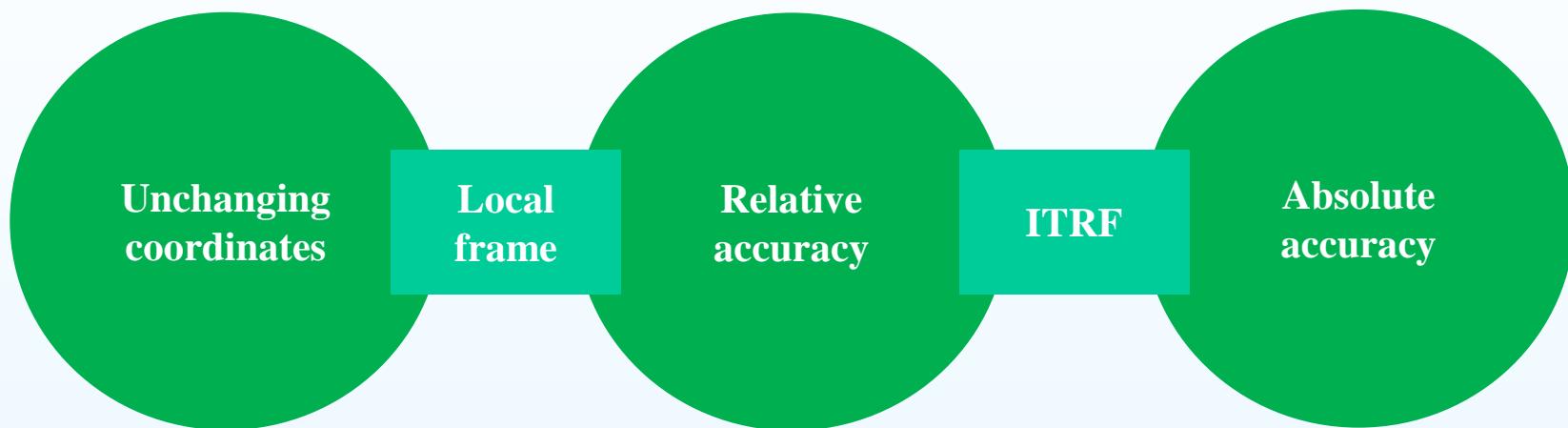


Current Role of National Reference Frame

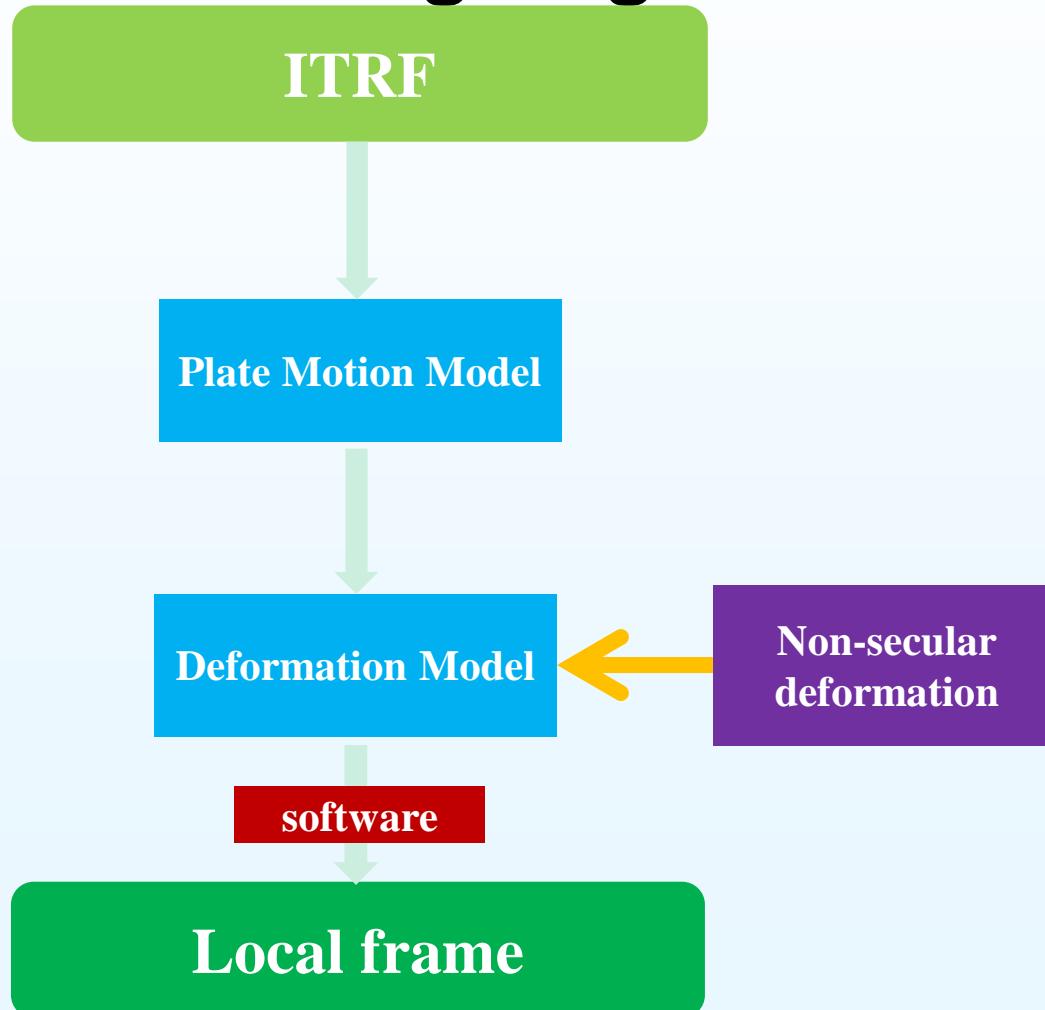
**Consistent spatial
references to facilitate
data integration**



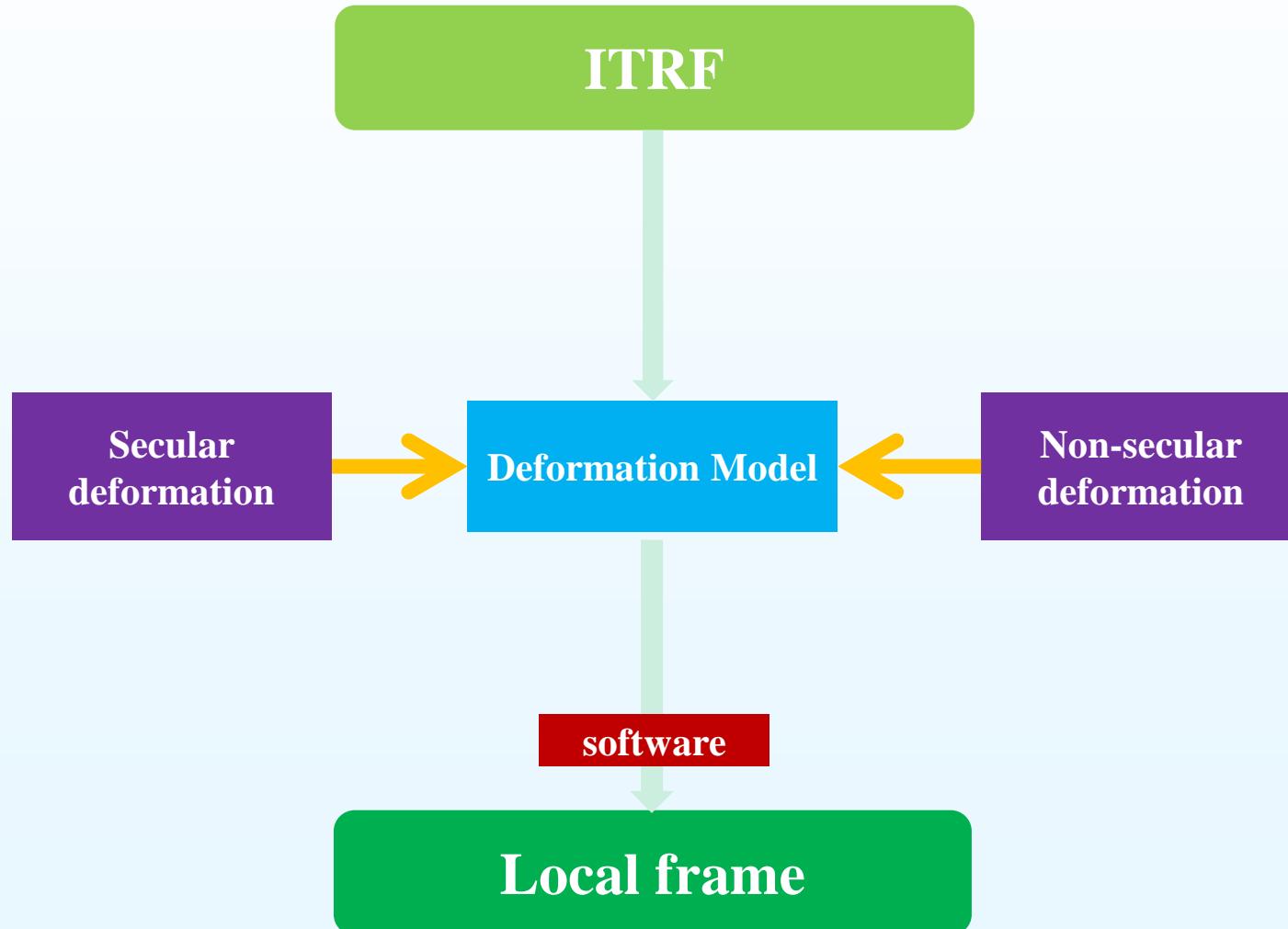
User Requirements



Non-Deforming Region



Deforming Region





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Role of GNSS in a National Reference Frame

- CORS
- Deformation monitoring
- User access to reference frame
 - Real-time networks
- Connection to ITRF



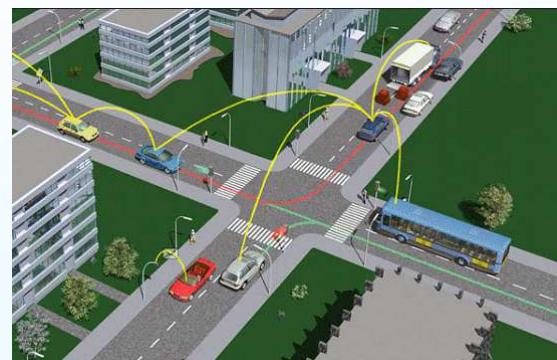


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Near-future of Positioning



**Unmanned
Aerial Vehicles**



**Intelligent
Transportation
Systems**



**Consumer
“Smart”
Devices**

10cm positioning in terms of ITRF at current epoch

Past and future workshops

Last workshop



FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND
2-6 May 2016



Recovery
from disaster

Next workshop: Vertical Reference Frame in
Practice Workshop

Kobe, Japan, 29 - 30
July 2017

UN GGIM, IAG and FIG, and
co-sponsored by ICG.

