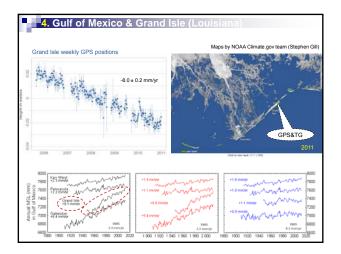
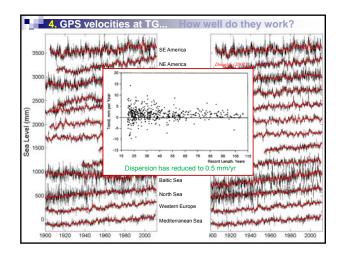
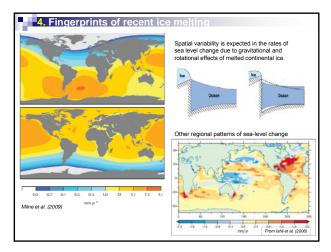


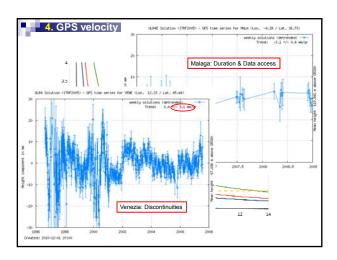
4. GPS velocities at TG How well do they work?		
Tide gauge records	GIA-corrected tide gauge records	GPS-corrected tide gauge records
ала отороди 100 100 100 100 100 100 100 10	-15 mary	-23 mm -23 mm -23 mm -13 mm -10 mm
0000 0000	-35 mm/s -35 mm/s -35 mm/s -28 mm/s -28 mm/s -28 mm/s	-02 mmte -02 mmte -03 mm
0000 0000	-15 mm -13 mm -80 mm -8	-18 mmp -13 mmp -13 mmp -13 mmp -09 mmp -09 mmp -09 mmp -09 mmp -13 mm

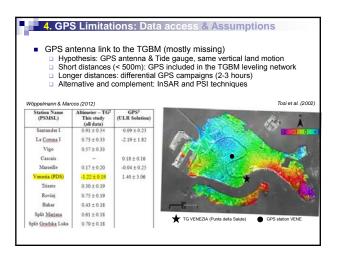


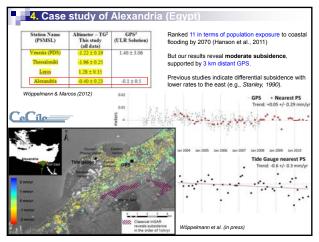












5. Concluding remarks

- GPS (GNSS) solution for monitoring Tide Gauges
 Required accuracy is demanding for sea level applications
 Demonstrative results have been obtained in the recent years

 - VLM are an important source of spatial variability
 - Setection of fingerprints & other patterns

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- GPS antenna link to the TGBM (mostly missing) Hypothesis: GPS antenna & Tide gauge, same vertical land motion
 Short distances (< 500m): GPS included in the TGBM network
 Longer distances: differential GPS campaigns (2-3 hours)
 Alternative and complement: InSAR and PSI techniques
- Data availability (WMO/IPCC data policy...)
 GLOSS dedicated GPS Data Assembly Center (SONEL)
 Metadata, equipment changes: limit to the strict minimum
 IGS (TIGA) infrastructure will ensure processing and results
- Need for a more robust and stable ITRF
 Current accuracy: ~0.5 mm/yr origin, ~0.05 ppb/yr scale
 Target accuracy: 0.2 mm/yr origin, 0.01 ppb/yr scale