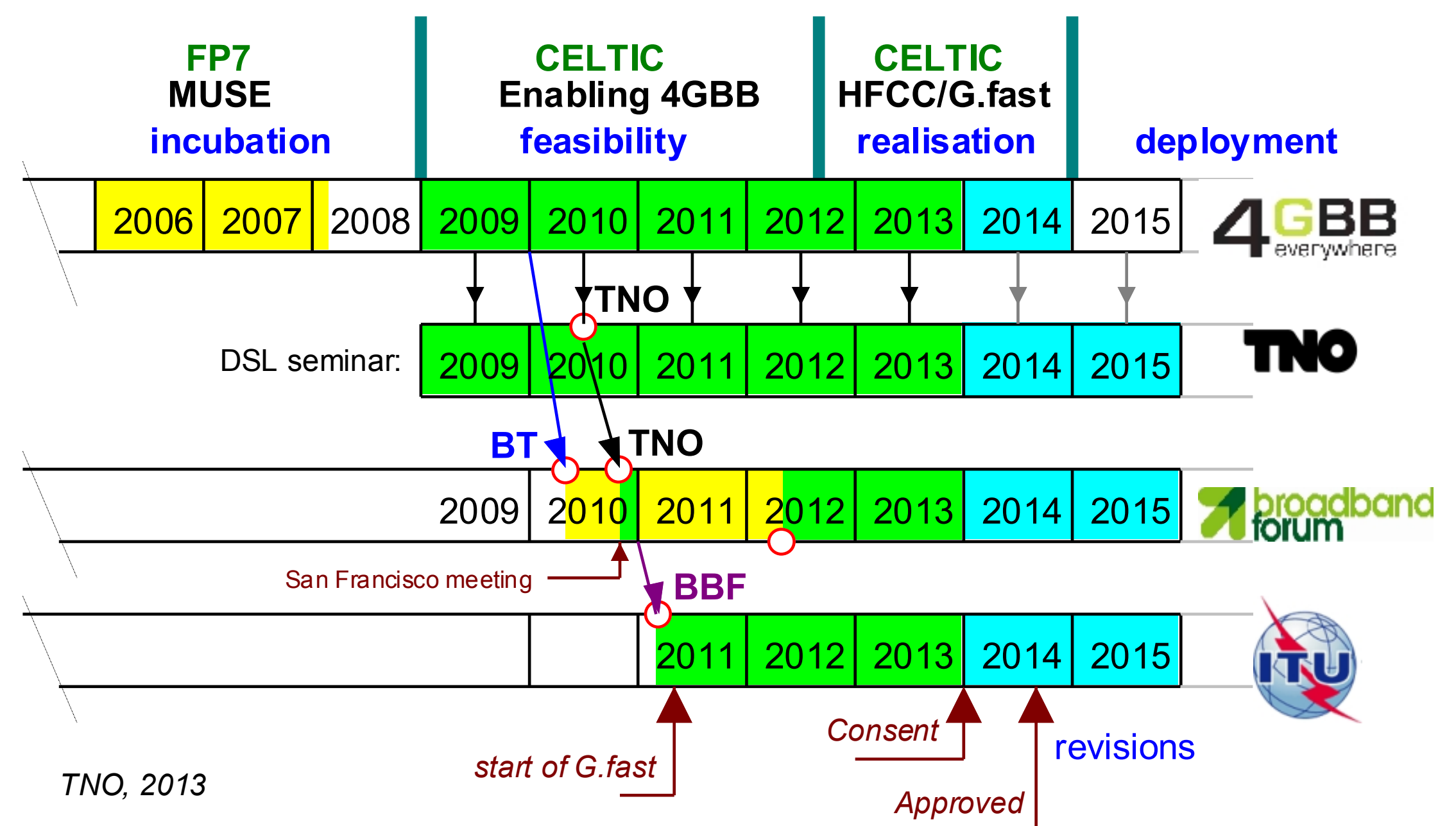


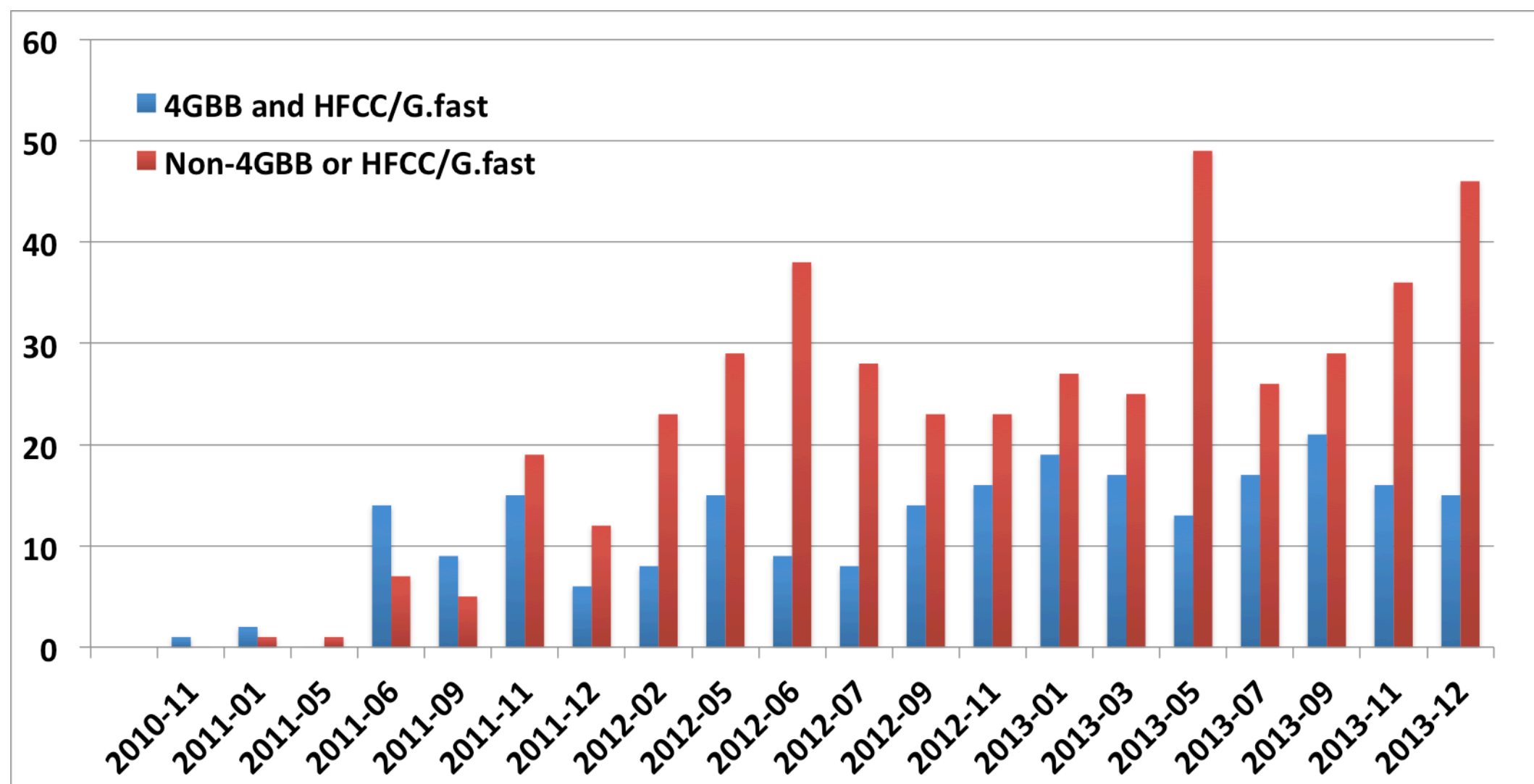
Impact of 4GBB consortium through HFCC/G.fast:

Achievements in 2013:

- ▶ Enabled high speed broadband for Digital Agenda in Europe.
- ▶ G.fast standard consented
- ▶ G.fast trials announced by several operators
- ▶ New use cases identified, like
 - ▶ *mobile backhauling,*
 - ▶ *dense city areas,*
 - ▶ *single line fibre extension.*
- ▶ Detailed topology and techno-economic studies



Contributions to ITU-T



Dissemination in 2013

- ▶ 118 ITU-T contributions
- ▶ 45 Broadband Forum contributions
- ▶ 26 ETSI contributions
- ▶ 5 Journal articles
- ▶ 8 Conference papers
- ▶ 5 Seminar presentations

Standardisation in 2013

- ▶ ITU-T (G.fast)
 - ▶ Consortium members are driving progress
 - ▶ 34% of all contributions from our consortium
 - ▶ G.9700 'Determined' July 2013
 - ▶ G.9701 'Consented' Dec 2013
 - ▶ G.9701 target for approval Q3 2014
- ▶ BBF
 - ▶ Joint work with ITU-T
 - ▶ Developing FTTdp access and management architectures
 - ▶ Work on cable modelling and test methods started
- ▶ ETSI
 - ▶ Reverse powering: standard drafted
 - ▶ Approval expected: May 2014