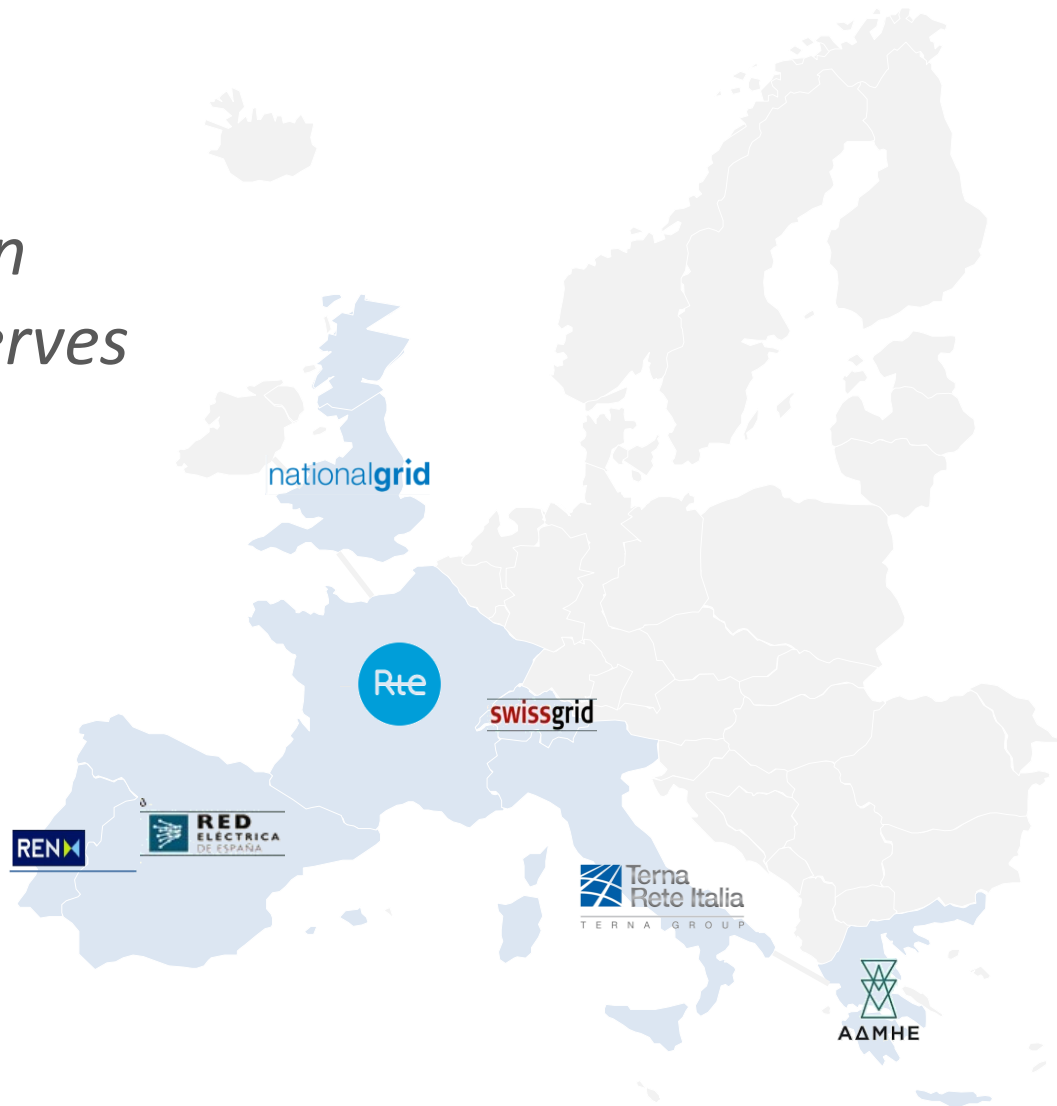


TERRE

Trans European Replacement Reserves Exchange

BSG Meeting

07 June 2017



Agenda

Topic 1: Introduction to TERRE project

Topic 2: TERRE progress

Topic 3: Project TERRE next consultation phase

Topic 4: Timelines

1. Introduction to TERRE project

The TERRE project Mission and Participants

Develop a XB platform for RR products

- TERRE project will involve the design, development, implementation and operation on a cross-border platform for the balancing products (RR)
- The first phase of the design finalized with a consultation proposal, and has been validated by the NRAs and the market participants (stakeholder)







Toward efficient cooperation in balancing in Europe

- The proposed RR product together with the project governance should be aligned with Guidelines on Electricity Balancing.
- The established platform should support the future European balancing vision to assure the security of the energy supply
- The RR is not the only balancing product which is in development and should therefore be aligned with the ongoing projects (mFRR balancing regions), mainly to assure liquidity of balancing
- The TERRE platform is a suitable candidate for other balancing products such as mFRR.


Potential participants to TERRE project

Following TSOs were included in the cooperation

Full Participants:

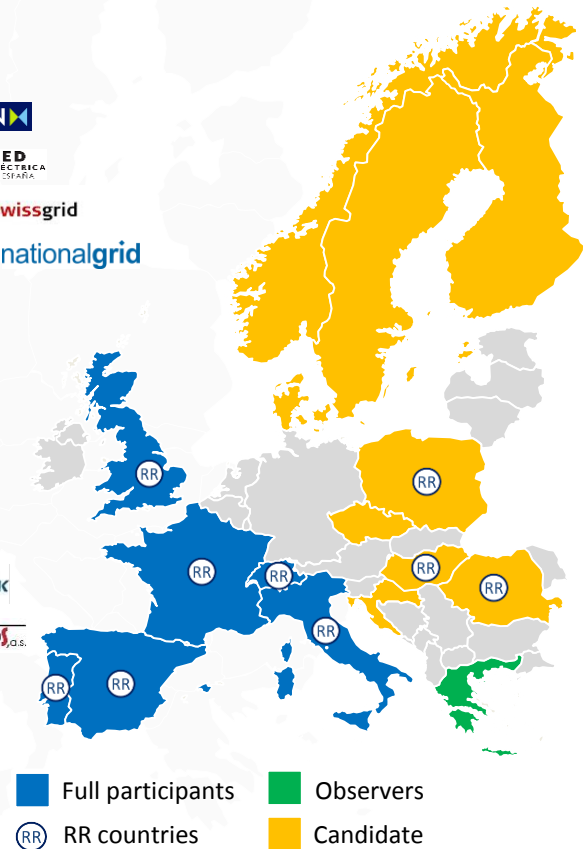
- France (Rte) 
- Italy (Terna) 
- Portugal (REN) 
- Espagne (RED) 
- Suisse (Swissgrid) 
- GB (National Grid) 

Observers:

- Greece 

Candidates :

- Norway 
- Sweden 
- Finland 
- Denmark 
- Czech Republic 
- Romania 
- Poland 
- Hungary 
- Croatia 

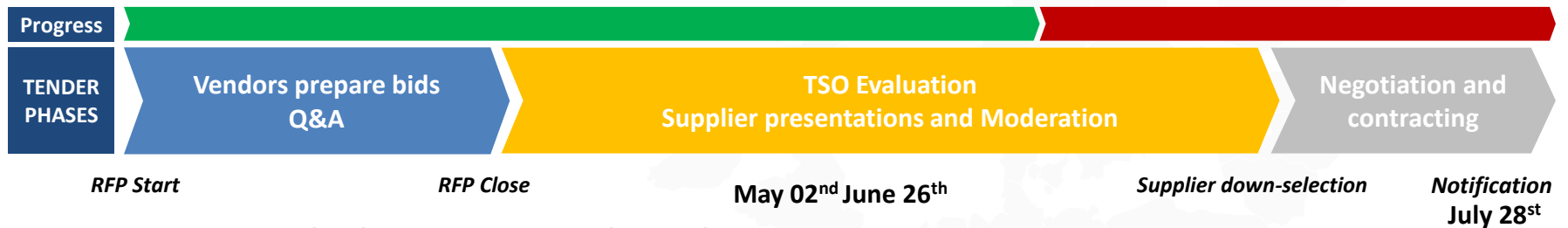


2. TERRE progress

Passed and future project milestones

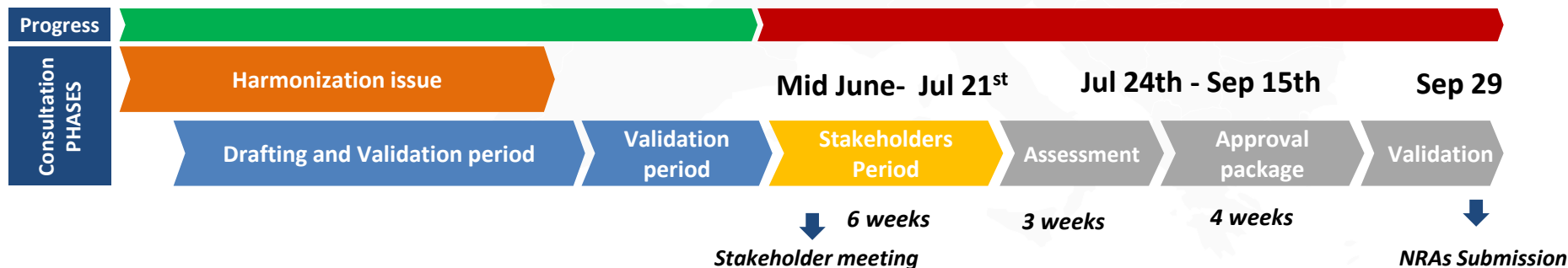
Libra platform development

- The RFP process is the corner stone to establish the algorithmic optimization solution and the technical design of the Libra Platform. The TERRE projects will conclude the first phase of the main RFP Lot by end of July, followed by functional design of the platform.



TERRE scope: RR market harmonization and consultation

- Next to the technical implementation of the platform, the harmonization of the RR balancing market will be handled by a public consultation. The stakeholders will be involved to provide their feedback on the proposed design. Followed by the publication under the EBGL scope with participation of all European RR TSOs.



**TERRE stakeholder meeting:
20th of June in London. Official
invitation will be sent soon**

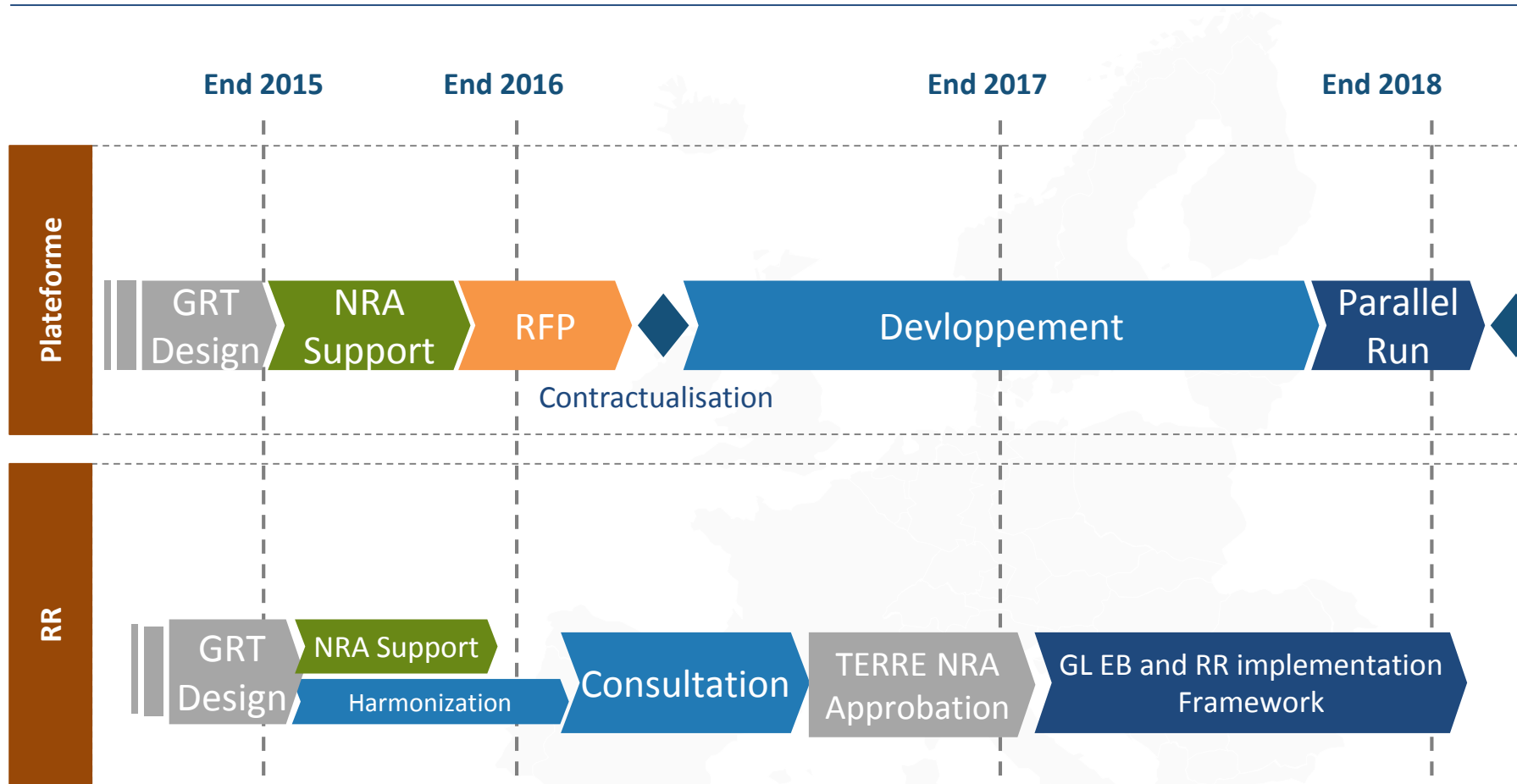
3. Project TERRE next consultation phase

Consultation topics

Topics	Details
TSO-TSO model	<ul style="list-style-type: none">• Description of the “Libra” platform• complement to the first consultation phase<ul style="list-style-type: none">• Counter-Activation• Unforeseeably rejected bids• DC and AC Energy losses• Physical feasibility description• Implicit cross border countertrading• TSO-TSO settlement (Price indeterminacy and Congestion rent)• Cap and floor prices harmonization• Unavailable bids• Cross border commercial scheduling step• imbalance need• TERRE process• Specific topics: Italian market design and FR-CH border specificity)
TERRE TSO-BSP and TSO-BRP model	<ul style="list-style-type: none">• Balancing GCT for RR (As-is and To-be harmonization)• TSO-BSP and TSO-BRP settlement (As-is and Harmonization of process, incentives and product)• BEGCT
Transparency	<ul style="list-style-type: none">• GLEB requirements and common and national publication
Governance	<ul style="list-style-type: none">• Governance of the TERRE project
Local implementation and Market rules	<ul style="list-style-type: none">• Description of the future implementation of the national market rules
Planning	<ul style="list-style-type: none">• Implementation, harmonization and parallel run planning overview

Plan

TERRE macro planning





Thanks for your attention