



---

Reference: **775**

---



Type:

**Technical Brochures**

Title:

**Global electricity network - Feasibility study**

## Abstracts

With the strong development of renewable energy sources worldwide, the concept of a global electricity network has been imagined in order to take advantage of the diversity from different time zones, seasons, load patterns and the intermittency of the generation, thus supporting a balanced coordination of power supply of all interconnected countries. The TB presents the results of the feasibility study performed by WG C1.35. It addresses the challenges, benefits and issues of uneven distribution of energy resources across the world. The time horizon selected is 2050. The study finds significant potential benefits of a global interconnection, identifies the most promising links, and includes sensitivity analyses to different factors, such as wind energy capacity factors or technology costs.

---

More Informations :

**File Size:**9,3 MB **Pages NB:**139 **Study Committee :** C1 **WG (TF):**WG C1.35 **Year:**2019

---