

March 9, 2016
REvision 2016

SESSION 4

New Role of Japan's Power Market

自然エネルギー導入のための 日本の新たな電力システム

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Background of System Reform

電力システム改革の背景

Power Market Liberalization
電力自由化

Introduction of RES-e (VRE)
再生可能エネルギーの導入

- Market trading : merit-order
- Price-mechanism : DR

- Enhancement of "Flexibility"
- Priority dispatching

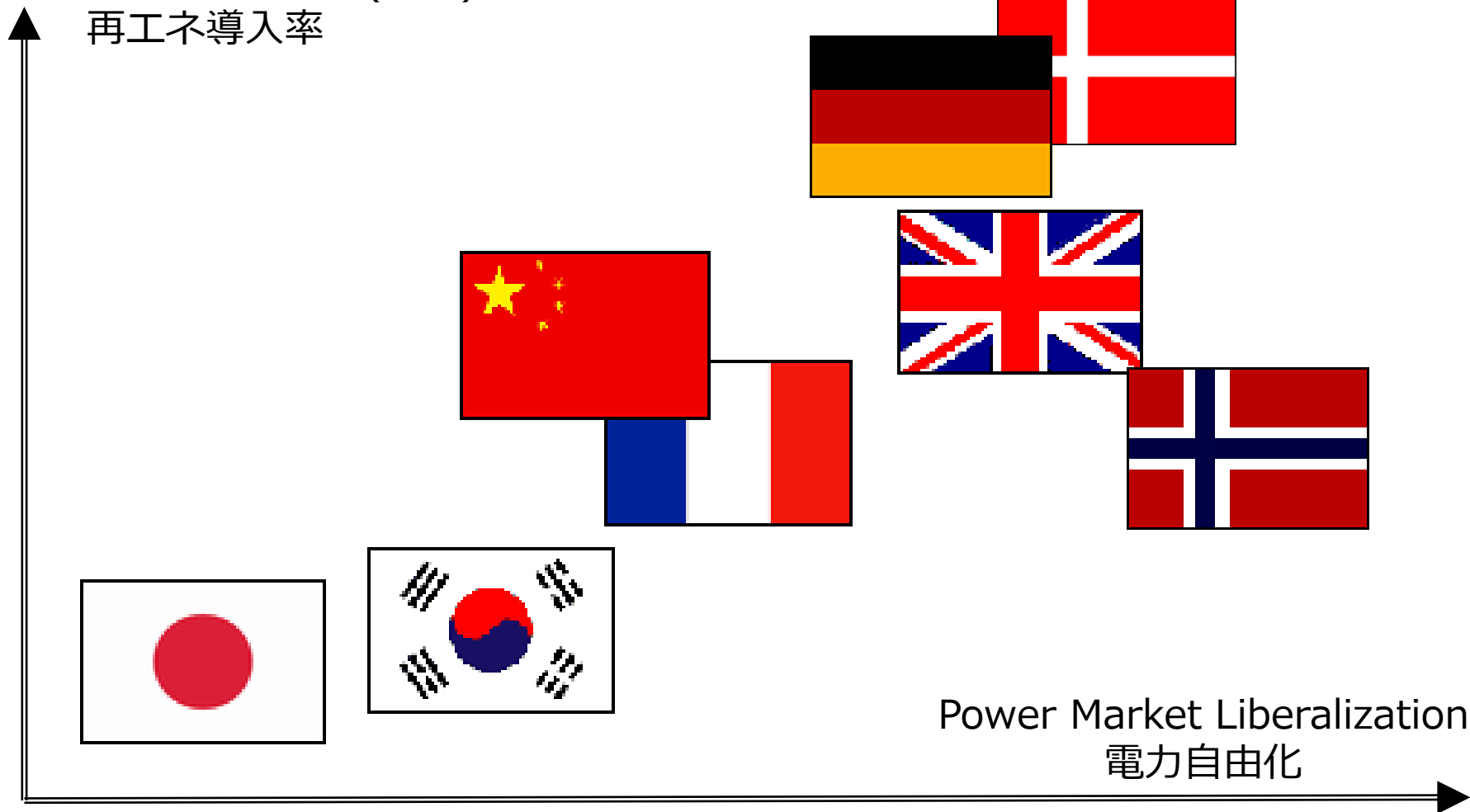
- Grid unbundling : TSO
- Wide-area system operation

Distributed Electricity System
分散型電力システム

International Comparison of System Reform

電力システム改革の国際的動向

Introduction of RES-e (VRE)
再エネ導入率



Japan's Situation : 日本の状況

Delayed Liberalization : 自由化の遅れ

- De jure monopoly for residential customers
- Limited spot trading (1.5%), NO balancing market
- NO independent regulator

Limited Introduction of RES-e (VRE) : 再エネの限定的導入

- 3% VRE (+ 9% hydro)
- Targets in 2030 : PV 7%, Wind 1.7%

Vertically Integrated System : 垂直統合型システムの維持

- NO grid unbundling, NO TSO/ISO
- Region-based system operation : 10 closed regions

Progress of Japan's System Reform

日本の電力システム改革の進展状況

April, 2015

Establishment of OCCTO
広域的運営推進機関の設置

September, 2015

Establishment of Independent Regulator
電力取引監視等委員会の設置

April, 2016

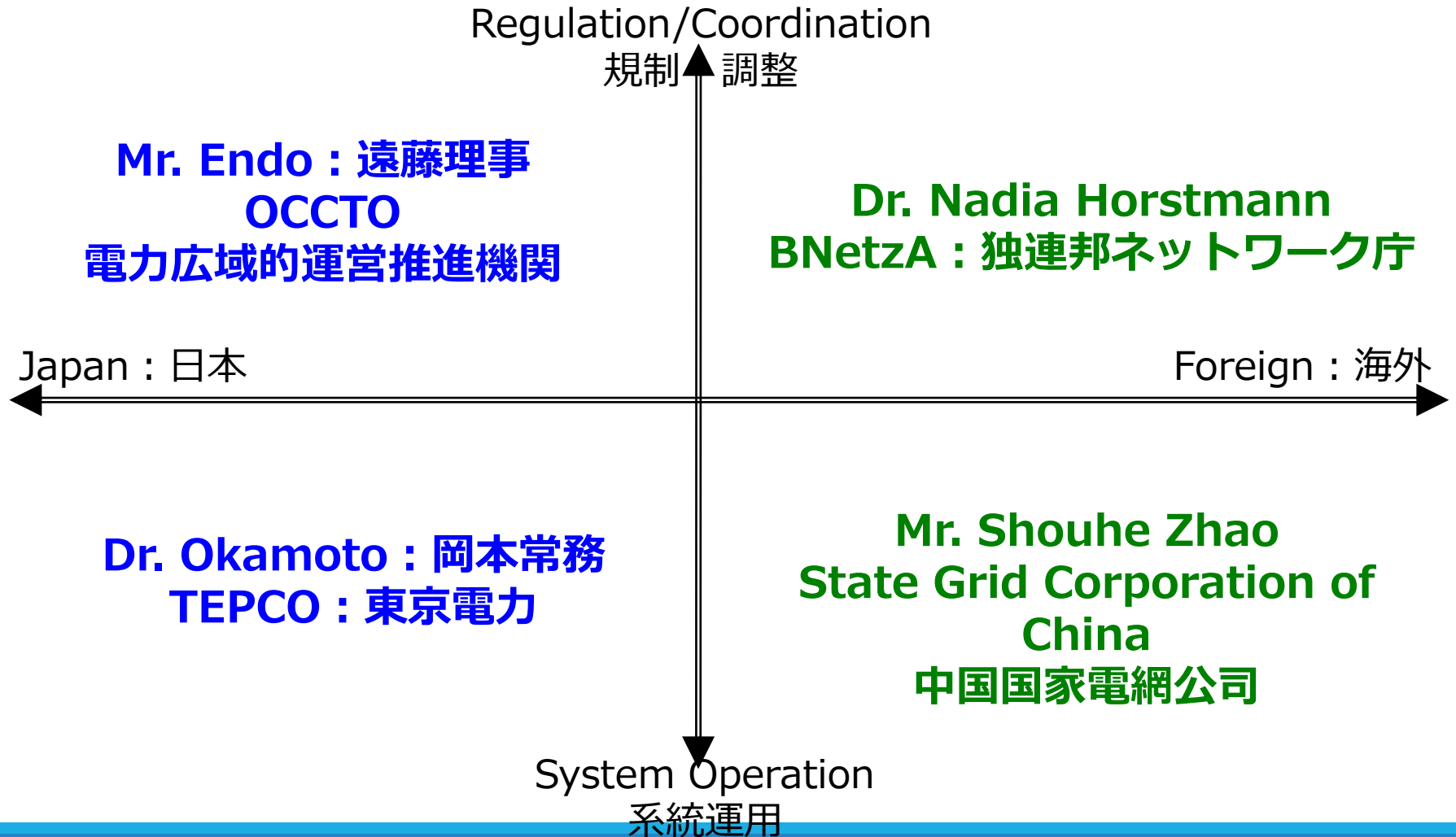
Complete Liberalization of Retail Market
小売り全面自由化

April, 2020

Legal Unbundling of T&D
送配電網の法的分離

Contents of Session 4 : 当セッションの内容

- What can we learn from foreign experiences? -



Enjoy Session 4!