Production networks in the wind turbine industry, which place for developing countries in East Asia?

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To cite this version:

Hoai-Son Nguyen, Minh Ha-Duong. Production networks in the wind turbine industry, which place for developing countries in East Asia?. ABIES doctoral days, Apr 2016, Paris, France. <hal-01321551>

HAL Id: hal-01321551
https://hal.archives-ouvertes.fr/hal-01321551
Submitted on 27 May 2016

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Production networks arise from the cross-border dispersion of component production/assembly within vertically integrated production processes. In industries where a production network pattern is in place, each country specializes in a particular stage of the production sequence. Figure 1 and Box 1 below illustrate the relevance for our industry.

The wind turbine production network is intra-regional rather than inter-regional. Europe is the largest trade cluster, followed by Asia.

Low and lower middle income countries only account for a minor share of the network.

Theoretical framework
Determinants for location choices of a multinational enterprise

Next steps
- Quantitative approach with econometric models will be employed to examine the impacts of (i) countries’ profiles, (ii) industry features and (iii) firms’ profiles on the participation of East Asia developing countries in the network
- Qualitative sector surveys will be used to explain how (iv) the type of networks determines the network entrance ability of firms in East Asia developing countries