

« MASTER'S DEGREE 1 » LEVEL

MENTION : MANAGEMENT ET COMMERCE INTERNATIONAL
DISTINCTION: MANAGEMENT AND INTERNATIONAL TRADE

PARCOURS : STRATEGIES & MANAGEMENT INTERNATIONAL ("SMI")
CAREER: STRATEGIES AND INTERNATIONAL MANAGEMENT

***EU ENERGY TRANSITION STRATEGY TOWARDS MORE RELIABLE, SUSTAINABLE
AND COMPETITIVE ENERGY SYSTEM***

TEACHER :

Name :	CHOVANIKOVA
First Name :	Petronela
E-Mail :	petronela.chovanikova@gmail.com

TEACHING OBJECTIVES:

- ✓ Train **ability to get the reliable information** and thus to **achieve the correct understanding of the complex issue** - new environmental engagements and technology challenges as for the energy production and energy services provision.
- ✓ **Understand** what are the **main strategy basis and assumptions** to be taken into account as for the innovations and new environmental engagements; understand how these elements **impact currently applied management strategies and the business organization** in the energy sector.
- ✓ **Learn** how to **define the most appropriate and effective strategy** comprising the response level as a key success factor (high quality, well-timed and efficient change/transformation management process).

PREREQUISITE :

- **Active** participation on the sessions as of Day One.
- **Review of the case studies** and the useful links (recommended 2-3 days prior the Day One).
- **Study of the bibliography** (recommended 1-2 days prior the Day One)
- **Active participation** on the **Q&A** slots.

PLAN :

➤ Case studies, bibliography and useful links sent to all students one week before the Day One
➤ Session - Day One: Explanation of the main objectives of the course, agreement on the examination process, introduction to 3D Energy challenge overview
➤ Session - Day Two: Introduction to 3D Energy model consequences and requirements as for the actual energy business organization and management strategies. Presentation of Business model transformation process – approaches and key success factors; Introduction to case studies, Q&A
➤ Session - Day Three: drafting the strategy based on the Case Study requirements - working groups; Q&A, presentation of the strategy draft to shareholders – explanation of main strategic orientations, action plan and assumptions considered; list of takeaways, main qualities of strategic manager and final notes/observations to presented strategies and course organization

BIBLIOGRAPHIC ELEMENTS:

- International Energy Agency, *World Energy Outlook 2019*.
- International Energy Agency, *Energy Efficiency 2019*.
- European Commission, *Clean energy for all Europeans*, November 2016.
- W. G. Eggers, J. Skowron, *Forces of change: Smart cities*, Deloitte Insights, January 2018.
- Innovation and Networks Executive Agency, *SUPPORTING INNOVATIVE SOLUTIONS FOR SMART GRIDS AND STORAGE*, April 2019.
- LAZARD, *Levelized Cost of Energy and Levelized Cost of Storage 2019*, November 2019.
- IRENA (2019), *Renewable capacity statistics 2019*, International Renewable Energy Agency (IRENA), Abu Dhabi.
- J.Giehl, H.Göcke, B.Grosse, J.Kochems, J.Müller-Kirchenbauer, *Survey and Classification of business models*, April 2019.

CASE STUDIES – RECOMMENDED LINKS:

- <https://www.renewableenergyworld.com/>
- <https://www.carbontracker.org/eu-carbon-prices-could-double-by-2021-and-quadruple-by-2030/>
- <https://www.cleanenergywire.org/news/rising-co2-price-could-trigger-german-coal-phase-out-within-5-years>
- <https://www.google.com/amp/s/mobile.reuters.com/article/amp/idUSKBN1KK15O>
- <https://www.wearefactor.com/en/what-is-happening-with-the-price-of-co2/new/678>
- <https://www.epa.gov/chp/chp-benefits>
- <https://www.sciencedirect.com/science/article/pii/S2351978918303950>

- <https://www.districtenergy.org/HigherLogic/System/DownloadDocumentFile.ashx?DocumentFileKey=e6aa3d6b-d412-d3d3-9fa8-ff6168d752fb&forceDialog=0>