

# Hertie School

Master of International Affairs/Master of Public Policy  
Spring Semester 2020 - Course Syllabus

## GRAD-P1042: Problems of European Energy: Technology, Markets & Policy

Concentrations: Finance & Trade / Security & Sustainability / Policy Analysis

Dr. Thomas W. O'Donnell

### 1. General information

Class time	Thursdays, 16:00 – 20:00
Venue	room number to be provided by the Curricular Affairs Team
Instructor	Dr. Thomas W. O'Donnell
Instructor's office	Varies (ask at front desk)
Instructor's e-mail	<a href="mailto:twod@umich.edu">twod@umich.edu</a>
Instructor's phone number	+49 176 92 11 89 28 (cell) Students are welcomed to call as needed
Assistant	Name: Ms. Amanda Slater Email: <a href="mailto:adjunctsupport@hertie-school.org">adjunctsupport@hertie-school.org</a> Phone: +49 30 259 219 238 Room: 2.55
Instructor's Office Hours	Immediately following class, or by appointment (usually during non-class weeks on Thursday).

Link to Module Handbook [MIA](#) and [MPP](#)

Link to [Study, Examination and Admission Rules](#)

**Navigation:** [Three Research-Team Topics](#) (six students each)

[Assignment Deadlines](#) || [Sessions Overview](#)

[Session 1](#), [Session 2](#), [Session 3](#), [Session 4](#), [Session 5](#), [Session 6](#)

Online: [Link to: Course Homepage](#)

#### Instructor Information:

[Dr. Thomas W. O'Donnell](#) is an international academic and analyst of energy and international affairs, particularly the global oil and gas sectors. This has included OPEC Middle-East and Latin-American states, the EU, Russia and China, and especially US policy. He taught at The University of Michigan (Ann Arbor)\*, at the New School University (NYC) in Graduate Economics and Graduate International Affairs (GPIA); at *Freie Universität-Berlin*'s JFK Institute of N. American Studies and now FU-BEST ([European Studies Program](#)); and Hertie School of Governance, Masters of International Affairs (Berlin). O'Donnell blogs at [GlobalBarrel.com](#) and has recently written for [Berlin Policy Journal](#) (Berlin), King's College [EUCERS](#) (London), [Americas Quarterly](#) (NYC/DC), [Petroquía](#) (Caracas/LatAm), [Semana](#) (Bogota), [AICGS](#) (Washington) and is often interviewed by the international press. He was fellow of [Kennan Institute](#) at Wilson Center (Wash, DC; Summer '19); fellow of The American Institute of Contemporary German Studies (AICGS/DAAD) (Wash, DC, Spring '15) interviewing US experts on [German and EU energy vulnerabilities](#), and US Fulbright Scholar and Visiting Professor in Caracas at [CENDES](#)/UCV (Center for the Study of Development, Central U. of Venezuela, throughout 2008-09). He is Senior Energy Desk Analyst at [Wikistrat](#), and consults on energy, geopolitical and market/tech matters. O'Donnell's award-winning [PhD thesis](#) is in experimental nuclear physics (Michigan, Ann Arbor); and he's an author of 40+ peer-reviewed physics papers. Earlier, he spent 10+ years writing and as an organizer of US labor and social-political movements, industrial strikes, community and university mass protests on the VN War, minority rights, "deindustrialization," etc. He acquired technical/working expertise in auto

manufacturing and railways, certifications in stationary power and HVAC engineering; cryogenics and as a nuclear and radiation safety officer with OSHA “Incident Commander” certification. He speaks English, Spanish and functional German. CV & publications: [TomOD.com](http://TomOD.com)

\*At U. Michigan, he taught in Science Technology & Society (STS) on work and technology in the Information Age; Energy and Environment; and The Intellectual History of Information and Universality; he taught on the Global Oil System, the Iraq War, and the Iran Crisis at The Center for Middle East and N. African Studies (CMENAS); he also taught Advanced Physics Laboratories.

## 2. Course Contents and Learning Objectives

### Course contents:

We consider problems of national energy policy in selected European and Eurasian states. Three research teams of six students each work on a problem of energy policy presented by one of three outside partners, or “clients” that “contract” for research/policy deliverables.

### This semester’s topics and clients include:

#### **1. China’s Belt and Road: Energy aspects in the Caspian and Central Asian Regions**

- Client: [Stiftung Wissenschaft und Politik](#) (SWP), The German Institute for International and Security Affairs, with [Dr. Kirsten Westphal](#), Senior Associate, Global Issues

Negotiations are now ongoing with two sponsors (to be finalized in mid-January)

#### **2. Ukrainian Gas-Sector Reform, the Transit Contract Crisis with Moscow & EU Energy Security\***

- Client: A Berlin-based institute working closely with Ukrainian NGOs in Kyiv

#### **3. A European energy-security and geopolitical policy issue\***

- Client: Brussels department/think-tank associated with the Commission (finalization has been delayed, awaiting the new Commission)

\* The latter two institutions cannot be named till about mid-January, when agreements are finalized.

Questions: Contact professor by e-mail or cell anytime (see above).

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### **Examples from Dr. O’Donnell’s previous class. [View previous, Spring 2019](#) projects:**

1. Nordstream 2: EU Member States’ Divergent Energy and Security Policies
    - Client: [Center for Eastern Studies](#) (OSW), Warsaw; with Ms. Agata Loskot, Senior Fellow for Energy Policy.
  2. The Proposed Tajikistan-to-India Gas Export (TAPI) Pipeline
    - Client: German Federal Foreign Office; with Dr. Holgar Kolley of [department 4-B-2](#)
  3. Energy Policy and China’s Belt and Road in Caspian States
    - Client: [Eclareon renewables consultancy](#), with Mr. Robert Bruckman, Director of Research
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### Main learning objectives:

This course introduces students to the issues and complexities of energy policy. We aim for an experience such as one might find as a public policy professional, and to impart introductory knowledge of energy sector issues.

To formulate energy policy, professionals must find and assess written information and expert advice from many areas where they are not expert. A country's market and geopolitical realities, technology and resources constraints, ideological beliefs and political parties' positions all impinge on NGO and State policy making and execution. So too, we seek to develop realistic views of renewable and fossil fuel markets/uses/prices, etc. and their interactions.

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### Target group:

1<sup>st</sup> year MPP students interested in energy policy for NGOs, political parties, think-tanks, corporations or governmental agencies should benefit. Note, energy “policy” requires developing fluency too about energy resources, technology, markets, national political considerations and geopolitics. However, the approaches and skills developed should be of interest to any student of public policy.

Teaching style:

Background information about the energy sector is presented via discussions of syllabus readings and Socratic lectures, occupying about 60-90 minutes of each four-hour, bi-weekly session. The remainder of each session is given to teams working together, and also consultations in the manner of “directed research” between the instructor and each team, reviewing the progress of research and analysis formation, and helping to decide the work-strategy for the next two-week period. In so far as the “client”/partner is able, they will at times also participate, guiding the team. Professional norms of interaction with a sponsoring partner/client are developed.

An electronic collaborative research platform will be established for each group (i.e., a blog functioning as a collaboration spaces with mutual write access for team members, instructor and client representative). Here, sharing and archiving of the team’s research, data and ongoing analysis are accomplished. Here too, the instructor and/or research “client’s” representative can remotely interject commentary or guidance. Such tools are typical today for distributed-research project teams.

Prerequisites:

There are no prerequisites. It is hoped students with various academic backgrounds register to round out the multi-disciplinary teams. Basic electronic literacy skills (blog, spreadsheets, presentations, etc.) and analytic skills (basic analysis of data/stats; charts and graphical formats) are important; however teamwork rapidly raises and equalizes electronic and IT skills.

### **3. Grading and Assignments**

Composition of Final Grade:

Note: Deadlines here are given *relative* to the date of the last class, scheduled for the 11<sup>th</sup> week of a s semester, on **23.04.2020**, when the final presentations normally occur. Changing a final presentation time/location is possible upon request by a client/sponsor and contingent upon *unanimous* agreement by a team by the 3<sup>rd</sup> class.

**FURTHER DISCUSSION OF METHODS, assignments and grading for this collaborative/team-research course follow:**

1. Attendance

- Note: In this team-work course, professional work standards are developed. Accordingly:
  - Each absence from one bi-weekly class weighs as two from a normal subject class
  - Any absence, whether excused or not, must be addressed via meeting with the instructor before the following class. You are responsible to contact the instructor in this regard. And any team-work responsibilities must be met.
  - A second absence normally disqualifies a student, unless the instructor or a responsible administrator sees reason to excuse it; and in any case on condition of assigned compensatory work being submitted.

2. Preparation for and active participation-and-contributions to class discussions

3. Active participation-and-contributions made to collective-research/policy group work. This is judged by the quality/frequency of a student’s entries in the research blog, interactions with the instructor and the client representative.

4. Consultations with instructor (and client in so far as applicable, which varies across clients' preferences, as agreed initially). This includes class-time consultations and office hours.
  5. Deliverable 1: Final project-document: This is graded collectively, except in quite unusual circumstances.
  6. Deliverable 2: Presentation and/or Executive Consultation (as negotiated with "client"): This is graded collectively, except in quite unusual circumstances.
- Item 2: The participation grade requires students take part not as passive consumers of knowledge but as active participants in the exchange, production, and critique of ideas—their own ideas and the ideas of others. Therefore, students should come to class not only having read and viewed the materials assigned for that day but also prepared to discuss the readings of the day and to contribute thoughtfully to the conversation. Participation is marked by its active nature, its consistency, and its quality.
  - Item 3: The instructor/client will require brief summaries (entered on the collective-research blog) at minimum before each bi-weekly session. In addition, the final report will be built up over time, and a partial working draft might be required for the third-last and then the second-last class. These are all part of the Item 3 grade.
  - Items 5 & 6: The detailed format and division of Deliverables 1 & 2 will be shaped by the instructions we receive/agree with a given team's client representative early on:
    - Students should expect the written research/policy document to be roughly 2500 +/- 100 words (i.e., 10-11 pp. given 250-275 words/page) per student – however it could be considerably shorter if the client wishes in which/any case, entries on the electronic notebook throughout the semester might be counted towards much of the writing requirement.
    - The final presentation is generally 3-4 slides/student. However, as here we are practising "conducting professional consulting work for clients," we will be sensitive to clients' wishes. While not expanding the overall workload, it could be that the balance in size between one and the other deliverable might shift, as agreed early on with the client and professor (by the third class).

Assignments/Tasks	Deadline(s)	How to submit	Grade
Class attendance	Start of each class	See Item 1, at end of syllabus	Pass/Fail
Use of team's Electronic collaboration site (blog)	a. By 12.02.20, 10 PM  b. Every Friday by 4 PM (except Hertie Exam Week)	a. Establish members' blog accounts; set up site (per instructions in first class)  b. Post: Recent research sources, data, summaries, etc. as blog entries. Minimum three (3) entries/week/student. This offsets team's Final Report size.	25%
Team's summary & next-week plan	Every Friday by 10 PM (except Hertie Exam Week)	Post: By team's "Secretary" based on team's discussions	15%
Consultations with instructor	By Thurs. 12.03.20. Make appointment 1 week ahead	Meet prof. minimum of 1x, in a non-class-weeks' office hours, as a team.	10%

Project Report	<p>a. Working draft: Noon, on 02.04.20  b. Final Copy: Sunday 12.04.20, by 7 PM</p>	<p>a. Post at team site (&amp; MSWord e-mail to prof)  b. Post at team site (&amp; MSWord e-mail to prof). (i.e., available to client/sponsor)  Length &amp; formats set in consultation with prof/client.</p>	30%
Project Presentation	<p>a. Practice: In class 09.04.20  b. Final Presentation: During last class <b>23.04.20</b>  (Or a time/place a team agrees with its client and the professor by the 3<sup>rd</sup> class.)</p>	<p>a. Presentation (<b>PPT Only; no Google docs or PDF</b>) posted 24 hrs before team's presentation  b. Presentation (<b>PPT Only; no Google docs or PDF</b>) posted 24 hrs before team's presentation</p>	20%

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### Assignment Details

This is a team process. The research team is collectively responsible for the entries and maintenance of ongoing logging of research and decisions on the electronic notebook.

**Late submission of assignments:** For each day the assignment is turned in late, the grade will be reduced by 10% (e.g. submission two days after the deadline would result in 20% grade deduction).

**Attendance:** Students are expected to be present and prepared for every class session. Active participation during lectures and seminar discussions is essential. If unavoidable circumstances arise which prevent attendance or preparation, the instructor should be advised by email with as much advance notice as possible. Please note that students cannot miss more than two out of 12 course sessions. For further information please consult the [Examination Rules](#) §10.

**Academic Integrity:** The Hertie School of Governance is committed to the standards of good academic and ethical conduct. Any violation of these standards shall be subject to disciplinary action. Plagiarism, deceitful actions as well as free-riding in group work are not tolerated. See [Examination Rules](#) §16.

**Compensation for Disadvantages:** If a student furnishes evidence that he or she is not able to take an examination as required in whole or in part due to disability or permanent illness, the Examination Committee may upon written request approve learning accommodation(s). In this respect, the submission of adequate certificates may be required. See [Examination Rules](#) §14.

## 4. General Readings

- a) Yergin, Daniel, "The Prize: The Epic Quest for Oil, Money & Power," The Free Press, New York 1991. This is the original edition. The revised edition is okay; but page numbers differ. NOTE: instructors cannot require students in Germany to buy a book (this one is available for about 2 Euro), so it is recommended.
- b) **Financial Times** and some **New York Times** articles on energy tech, markets and related geopolitical topics. The Library does not have access; these will be provided by the instructor.

- c) A list of several oil-and-gas industry and geopolitical-forecasting subscription-based publications. The Library does not have access; these will be provided by the instructor.

## 5. Session Overview

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Session	Session Date	Session Title
1	06.02.2020	<b>A. Energy Literacy: Oil &amp; gas: Geo-distribution of old &amp; new resources, production, use; price trends</b> <b>B. Introduction to research topics and representatives.</b> <b>Set up groups &amp; research blogs.</b>
-	13.02.2020	No class
2	20.02.2020	<b>The Nord Stream 2 Project: Clash of interests and policies between German-and-North-Europe and Central-European-and-Eastern-and-Nordic states on energy security, market and geostrategy</b>
-	27.02.2020	No class
3	05.03.2020	<b>EU/Central and Eastern Europe/Eurasian v. Russian gas market. Energy and geostrategy: 1970-2017</b>
-	12.03.2020	No class
<b>Mid-term Exam Week: 16.03 - 20.03.2020 – no class</b>		
4	26.03.2020	<b>A. What is China's motive for the Belt &amp; Road w/in its energy strategy?</b> <b>B. Tajikistan's political-economic trajectory and gas export dependence on China</b>
-	03.04.2020	No class
5	09.04.202-	<b>A. Briefly: German energy-transition errors: A crisis constraining energy-market and -security policy</b> <b>B. Practice Presentations</b>
-	16.04.2020	No class
6	23.04.2020	<b>Final Presentations: Delivery to client/sponsor representatives</b>
-	30.04.2020	No class
<b>Final Exam Week: 11.05 - 15.05.2020 – no class</b>		

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## 6. Course Sessions and Readings

All readings will be accessible on a course website ([LINK is HERE](#)) before semester start. In the case that there is a change in readings, students will be notified by email, and the new link provided. The

main course website also archives (password protected) all e-mails to students, lecture PowerPoints, and relevant background material.

Required readings are to be read and analysed thoroughly. Optional readings are intended to broaden your knowledge and it is highly recommended to skim them at least.

NOTE: Since not all students do the same research-topic (there are three different research-and/or policy-topic teams), there will often be readings assigned by the instructor to a given team, to answer problems or questions arising in the course of their research. Such readings cannot be anticipated, as is the nature of original research/policy work.

### Session 1: 06.02.2020

#### A. Energy Literacy: Oil & gas: Geo-distribution of old & new resources, production, use; price trends

#### B. Introduction to research topics and representatives. Set up groups & research blogs.

Learning Objective	Using official (EIA, IEA, IPCC) and industry (esp. BP) data and projections, understand:  a) The global natural-resource base for hydrocarbons; resource base v. proven reserves (P1, P2 & P3 certification), and variance with technology and price; reserve depletion to date; current production levels; expected lifetimes (r/p ratios); relative CO <sub>2</sub> burdens; primary sources v. secondary carriers; global and OECD v. non-OECD energy-system flow charts; expansion projections; petroleum inelasticity of demand v. elasticity of electrical-generation sources; future scenarios for fossil fuels, nuclear and renewables. b) Oil and gas: conventional v. non-conventional, geo-distributions of resources, history/projections of volumes; geo-location of production (supply) and consumption (demand). Demand: role of China and Asia. c) Recommendations: analysts, think tanks and industry-publications to follow throughout the semester on oil and/or gas.
Required Readings	1) World Energy Outlook, <a href="#">WEO 2018</a> , IEA (International Energy Agency) of the OECD, Paris, Nov. 2018 a. <a href="#">Executive Summary</a> a. <a href="#">Director Fadi Birol's Powerpoint</a> 1) World Energy Outlook, WEO 2-19 IEA (International Energy Agency) of the OECD, Paris, Nov.2019. a. <a href="#">Executive Summary Release: Nov. 2019</a> b. <a href="#">Presentation by Dr. Fatih Birol, IEA Executive Director. At Equinor, in Oslo, 26 November 2019, PDF.</a> 2) International Energy Outlook 2018, EIA (Energy Information Agency) of the US DoE, 30 July 2018: a. <a href="#">Executive Summary</a> 2) International Energy Outlook 2020 (EIA: Energy Information Agency, US DoE). Released 29 January 2020. a. <a href="#">Executive Summary</a> b. <a href="#">Optional:</a> Browse the entire report. I recommend browsing through the first two sections – “Preamble” and

	<p>“Consumption”, and the last one: “CO<sub>2</sub>”. For brevity and nicest graphics, chose the PPT alternative here: <a href="#">PDF</a> <a href="#">PPT</a></p> <p>3) Annual Energy Outlook 2020, US EIA, (Analysis of USA itself)</p> <ul style="list-style-type: none"> <li>a. Read: <a href="#">Presentation by: Dr. Linda Capuano</a>, Administrator, at Bipartisan Policy Center, Washington, DC. <b>January 29, 2020</b> (This has all the key charts/data for USA)</li> </ul> <p>4) BP Energy Outlook – <a href="#">2018 edition</a>. Read:</p> <ul style="list-style-type: none"> <li>a. <a href="#">Executive Summary</a> (pp. 4-7) and Overview (pp. 12-16)</li> </ul> <p>5) J.M.K.C. Donev et al. (2015). Energy Education - <a href="#">McKelvey Box</a>. [Accessed: June 24, 2018]. This explains the distinction between energy resources and reserves of levels P1, P2, P3.</p> <ul style="list-style-type: none"> <li>a. NOTE: This link still works, but the graphic doesn't load. To see the detailed McKelvey Box graphic, go to the <a href="#">USGS (US Geological Service) page</a>.</li> </ul>
Optional Readings	<p>Optional:</p> <ol style="list-style-type: none"> <li>1. International Energy Outlook 2020 (EIA: Energy Information Agency, US DoE). Released 29 January 2020 <ul style="list-style-type: none"> <li>a. Browse the full report; learn what's there. <i>I recommend browsing through the first two sections – “Preamble” and “Consumption”, and the last one: “CO<sub>2</sub>”. For brevity and nicest graphics, chose the PPT alternative here: <a href="#">PDF</a> <a href="#">PPT</a></i></li> </ul> </li> <li>2. Executive Summary, <a href="#">Oil 2018</a>: Analysis and Forecasts to 2023, IEA, Mar 2018. (<i>I Recommend this if you want to join the DIW group</i>)</li> <li>3. IEA Special Reports with 2019 IEO. (I recommend these if you want to join the SWP group) <ul style="list-style-type: none"> <li>a. on China</li> <li>b. on India.</li> </ul> </li> </ol> <p>Previous readings, research and lecture PPT references are <a href="#">online</a></p>

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No Class: 13.02.2020

Session 2: 20.02.2020

The Nord Stream 2 Project: Clash of interests and policies between German-and-North-Europe, Central-European-&-Eastern-and-Nordic states and the USA on gas security, market & geostrategy

Learning Objective	The market and security issues involved in the Nord Stream 2 gas pipeline project from Russia to Germany now under construction, and the sharp split in viewpoints and policy between i) Germany and N. European states and ii) Central and Eastern European and Nordic states. These are especially directly related to one team.
Required Readings	<ol style="list-style-type: none"> <li>1. Agata Łoskot-Strachota, Rafał Bajczuk, Szymon Kardaś, “Nord Stream 2 divides the West,” OSW Commentary, Warsaw, 18.06.2018.</li> </ol>

	<p>2. Agata Łoskot-Strachota, “<a href="#">The European Commission seeks a mandate to conduct talks with Russia on Nord Stream 2</a>”, OSW Analysis, Warsaw, 28.06.2018.</p> <p>3. Alan Riley, “<a href="#">Nord Stream 2: Understanding the Potential Consequences</a>,” Atlantic Council, Washington, DC, 20.06.2018.</p> <p>4. Thomas O'Donnell, “<a href="#">Neue Neue Ostpolitik</a>: What lies behind the US-German spat over new Russian sanctions affecting the Nord Stream 2 gas pipeline project?” July/Aug. 2017</p> <p>5. Thomas O'Donnell, <a href="#">Pipe Dream?</a> The Nord Stream 2 pipeline project is in danger of being derailed (on the implications of Polish competition authority's decision). 22 September 2016</p> <p>6. Thomas O'Donnell, <a href="#">Bypass Operation: Nord Stream 2, Russia-to-Germany pipeline deal, raises questions</a> October 20, 201</p> <p>7. Thomas O'Donnell, <a href="#">Containing Gazprom: Putin may be overplaying his hand on gas – but no thanks to Berlin and Paris</a> August 10, 2015</p> <p>8. Research Assignment:</p> <ul style="list-style-type: none"> <li>a. Locate and read IEA/OECD, EIA and CIA country reports on energy sector of your team's country-of-interest. All are available electronically.</li> <li>b. Each team: When your site is established, post links and brief, bullet-point summary of major points of history, resources, structure of sector, historical/present production, major characteristics, etc.</li> </ul>
<b>Optional Readings</b>	<p>1. James Henderson &amp; Jack Sharples, “<a href="#">Gazprom in Europe</a> – two ‘Anni Mirabiles,’ but can it continue?” Oxford Institute for Energy Studies (OIES). Oxford Energy Insight: 29.03.2018.</p> <p>2. September 2018, Oxford Energy Forum, <a href="#">The Future of Gas – Issue 116</a> Select topic(s) of interest from: Contents and Authors:</p> <ul style="list-style-type: none"> <li>a. Introduction: Jonathan Stern, 1</li> <li>b. Biogas, Biomethane, and Power-to-Gas, Martin Lambert, 3</li> <li>c. The Future of Low-Pressure Gas Networks, Jamie Speirs, 7</li> <li>d. Understanding and Reducing Methane Emissions from Natural Gas Supply Chains, Paul Balcombe, 10</li> <li>e. The Impact of Security-of-Supply Issues on the Future of Gas, James Henderson, 12</li> <li>f. Affordability of Gas and LNG: The Contrast Between China and India, Stephen O'Sullivan and Anupama Sen, 15</li> <li>g. The Cost of LNG Liquefaction Plants, Brian Songhurst and Claudio Steuer, 19</li> <li>h. Natural Gas as a Marine Transport Fuel, Chris Le Fevre, 24</li> </ul>

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No Class: 27.02.2020

Session 3: 05.03.2020

## EU/Central and Eastern Europe/Eurasian v. Russian gas market. Energy and geostrategy: 1970-2017

<b>Learning Objective</b>	Familiarization with main themes of geopolitical rivalry and the role of gas in this respect in these regions.
<b>Required Readings</b>	<p>1. Bud Coote, <a href="#">The Caspian Sea and Southern Gas Corridor: A View from Russia</a>, Atlantic Council, Global Energy Center, April 2017.</p> <p>2. Amb. Robert Cekuta, Pulling East: <a href="#">The Gravity of China's Belt and Road in Eurasian Energy</a>, Atlantic Council, 23 October 2018.</p> <p>3. Masoud Mostajabi, <a href="#">Iran, Turkey Key to Turkmenistan</a> Realizing its Energy Potential, Atlantic Council, 6 September 2017</p> <p>4. Mariusz Marszewski, Krzysztof Strachota, "<a href="#">Russia's ostentatious return to Uzbekistan</a>," OSW Analysis, Warsaw, 24.10.2018</p> <p>Connecting Europe: The Southern Gas Corridor &amp; the Future of European Gas Supply, Panel Discussion, Atlantic Council, Global Energy Program, <a href="#">participants list</a>, September 11, 2018. <a href="#">Watch on YouTube</a>.</p>
<b>Optional Readings</b>	<p>a) "<a href="#">Completing Europe – From the North-South Corridor to Energy, Transportation, and Telecommunications Union</a>" led by former US National Security Advisor Gen. James L. Jones, Jr., USMC (Ret.) and the Chairman of the Board of Directors of CEEP Paweł Olechnowicz.</p> <ul style="list-style-type: none"> <li>○ An "explainer" of the above report: David Koranyi and Ian Brzezinski, "<a href="#">Completing Europe: The North-South Corridor</a>," Atlantic Council, 20 April 2015.</li> </ul> <p>b) "<a href="#">Gas 2018: Analysis and forecasts to 2023</a>," International Energy Agency, 26 June 2018. Read: <a href="#">Summary</a> &amp; <a href="#">Press Release</a></p>

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**No Class: 12.03.2020**

**Mid-term Exam Week: 16 – 20.03.2020 – no class**

**Session 4: 26.03.2020**

**A. Discerning China's motive for the Belt & Road: China's energy “Go Abroad” strategy.**

**B. The Global Oil Price War of 2020 in context of Coronavirus & geopolitics**

**C. (2 hrs) Virtual group meetings, with instructor joining each in turn as possible**

<b>Learning Objective</b>	Understanding the main contours of: a) The energy policy history and trajectory of China, from “Go Abroad” launch circa. 1995, to present major role in global oil and gas markets; understand market, energy security and geopolitical exigencies. How does this relate to today’s Belt and Road projects in Eurasia and the interests of esp. Russia, Europe and the USA.
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	b) The Global Oil Price War of 2020 in context of the Coronavirus Pandemic and escalating US/EU-Russian geopolitical confrontations.
Required Readings	<p><b>Revised Readings/Videos for this class (there is an A and a B below):</b></p> <p><b>A. Listen to ONE (at least) of the following two video conferences on the global Oil Price War of 2020.</b></p> <ul style="list-style-type: none"> <li>- <b>I will send a Google Form survey via email for you to make a brief comment on each of the three speakers' main points from your chosen event. These are 45-60 minutes listening time.</b></li> </ul> <p><b>LISTEN TO:</b></p> <ol style="list-style-type: none"> <li>1. <b>Atlantic Council press call: Oil market meltdown: Price wars, coronavirus, and energy geopolitics - Atlantic Council</b>  <a href="https://www.atlanticcouncil.org/commentary/press-and-members-call/atlantic-council-press-call-oil-market-meltdown-price-wars-coronavirus-and-energy-geopolitics/">https://www.atlanticcouncil.org/commentary/press-and-members-call/atlantic-council-press-call-oil-market-meltdown-price-wars-coronavirus-and-energy-geopolitics/</a></li> </ol> <p><b>OR TO:</b></p> <ol style="list-style-type: none"> <li>2. <b>Columbia   SIPA Center on Global Energy Policy   Why This Oil Crash is Different</b>  <a href="https://energypolicy.columbia.edu/why-oil-crash-different">https://energypolicy.columbia.edu/why-oil-crash-different</a></li> </ol> <p><b>B. Read ONE (at least) of the following for some background on the either (i) Chinese Silk Road (AKA: "One Belt, One Road," or "Belt and Road Initiative" [BRI]) or on (ii) China's situation with political economy of energy (re: Go Abroad policy)</b></p> <ol style="list-style-type: none"> <li>1. <b>The New Silk Road: A versatile instrument in China's policy, Centre for Eastern Studies, OSW COMMENTARY, Marcin Kaczmarski, February 10, 2015.</b> (although a few years old, this succinctly delineates key aims and character of BRI.)  <a href="https://www.osw.waw.pl/en/publikacje/osw-commentary/2015-02-10/new-silk-road-a-versatile-instrument-chinas-policy">https://www.osw.waw.pl/en/publikacje/osw-commentary/2015-02-10/new-silk-road-a-versatile-instrument-chinas-policy</a></li> <li>2. <b>Silk Globalization: China's vision of international order, Centre for Eastern Studies, OSW Point of View, Marcin Kaczmarski, October 10, 2015.</b>  <a href="https://www.osw.waw.pl/en/publikacje/point-view/2016-10-10/silk-globalisation-chinas-vision-international-order">https://www.osw.waw.pl/en/publikacje/point-view/2016-10-10/silk-globalisation-chinas-vision-international-order</a></li> <li>3. <b>Greening or Greenwashing the Belt and Road Initiative? Energy Fact &amp; Opinion, Center for Strategic and International Studies, Jane Nakano, May 1, 2019</b> (This is very brief, please read another one too)  <a href="https://www.csis.org/analysis/greening-or-greenwashing-belt-and-road-initiative">https://www.csis.org/analysis/greening-or-greenwashing-belt-and-road-initiative</a></li> <li>4. <b>The Changing Political Economy of Energy in China: Market Dynamics and Policy Developments, Center for Strategic and International Studies, Jane Nakano, December 14, 2016.</b>  <a href="https://www.csis.org/analysis/changing-political-economy-energy-china">https://www.csis.org/analysis/changing-political-economy-energy-china</a></li> </ol>
Optional Readings	These are FURTHER READINGS, for anyone interested: on the USA, Russian and European attitudes/policies towards China's BRI.

	<p>a) <b>USA: "Silk Road 2.0: US strategy toward China's Belt and Road Initiative" - Atlantic Council</b> (This has both a recorded panel to listen to and/or read selected portions of the report.)  <a href="https://www.atlanticcouncil.org/event/silk-road-2-0-us-strategy-toward-chinas-belt-and-road-initiative/">https://www.atlanticcouncil.org/event/silk-road-2-0-us-strategy-toward-chinas-belt-and-road-initiative/</a></p> <p>b) <b>EUROPE: "An essential partner in the background. Europe in China's policy during the rule of Xi Jinping"   OSW Centre for Eastern Studies</b>  <a href="https://www.osw.waw.pl/en/publikacje/osw-studies/2016-04-18/essential-partner-background-europe-chinas-policy-during-rule-xi">https://www.osw.waw.pl/en/publikacje/osw-studies/2016-04-18/essential-partner-background-europe-chinas-policy-during-rule-xi</a></p> <p>c) <b>RUSSIA: "Russia's Greater Eurasia and China's New Silk Road: adaptation instead of competition"   OSW Centre for Eastern Studies</b>  <a href="https://www.osw.waw.pl/en/publikacje/osw-commentary/2016-07-21/russias-greater-eurasia-and-chinas-new-silk-road-adaptation">https://www.osw.waw.pl/en/publikacje/osw-commentary/2016-07-21/russias-greater-eurasia-and-chinas-new-silk-road-adaptation</a></p>
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No Class: 02.04.2020

Session 5: 09.04.2020

A. Briefly: German energy-transition errors: A crisis constraining energy-market and -security policy

B. Practice Presentations

Learning Objective	<p>A. Briefly: Case study presented in lecture showing how ideological errors, technological hubris, and poorly designed subsidies/FIT's of the German energy transition and nuclear exit have come to crisis (comparisons to other states), dangerously constraining its energy-market and –security alternatives.</p> <p>B. Practice of presentations and honing of analysis, etc.</p>
Required Readings	<ol style="list-style-type: none"> <li>1. T. O'Donnell, "German-Polish energy relations: a divergence of national interests, as seen in energy-transition, Nord Stream 2 &amp; LNG policies" (Presented at: 25 Jahre Deutsch-Polnisches Akademikerforum an der SGH Warsaw School of Economics, Der Jubiläum zur Polnisch-deutschen wissenschaftlichen Konferenz ..." 11 Oktober 2018, Warsaw, Polen)</li> <li>2. T. O'Donnell, King's College-London, <i>Newsletter of the European Centre for Energy and Resource Security</i> (peer reviewed), <a href="#">Germany backs small-scale LNG</a> import terminals despite opposition, EUCERS Newsletter, Issue 77, July 2018</li> </ol>
Optional Readings	N/A

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**Session 10: 16.04.2020-**

**Session 6: 23.04.2020**

**Final Presentations: Delivery to client/sponsor representatives**

<b>Learning Objective</b>	Feed back from clients/sponsors of research and other invited energy experts. Team-presentation skills. Defence of findings.
<b>Required Readings</b>	N/A
<b>Optional Readings</b>	N/A

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**No Class: 30.04.2020**

**Final Exam Week: 11 - 15.05.2020 – no class**