

Thomas LAPI (25/01/1999)

Recently graduated with a master's degree at Université de Paris-Cité, I aim at deepening my expertise in ecological economics and sustainability science as PhD candidate. I consider interdisciplinary approaches to be fundamental in addressing the issues of our energy future. My research brings together several scientific fields, and intends to develop new insights to energy and materials flows analysis from a global system perspective.

EXPERIENCES

Research assistant

1 year - October 2021 to October 2022

IRIS – Institut des Relations Internationales et Stratégiques - French Institute for International Relations and Strategic Affairs

I did my last year of master's degree as a trainee at the IRIS center. I worked on security issues and geopolitics applied to energy and material markets worldwide. My role consisted in collecting and analysing information and data for in-depth geopolitical analyses intended to the French Ministry of Defence, DGRIS (Direction Générale des Relations Internationales et Stratégiques)

Research internship

1 year – April 2021 to April 2022

LIED-PIERI – Laboratoire Interdisciplinaire des Energies de Demain - Paris Interdisciplinary Energy Research Institute

I performed a master's thesis on natural hydrogen at the LIED-PIERI Lab, under the direction of Dr Petros Chatzimpiros, Dr Alain Prinzhofer, and Dr Laurence Raineau. I then worked eight additional months, (in parallel to my studies and apprenticeship) to transform my thesis into a scientific article, published in the *International Journal of Hydrogen Energy* in May 2022.

AAPG Conference speaker

3-4 May 2022

European Regional Conference 2022 of the AAPG

I had a talk at the AAPG Conference in Budapest. I provided a synthetic overview of my research results on natural hydrogen potential role in the energy transition. I highlighted the benefits of decentralization from an interdisciplinary perspective to future natural hydrogen operations in terms of energy efficiency, costs, supply security, and socio-environmental standards.

STUDIES

DISTINCTIONS & COMMITMENTS



Université de Paris-cité – Master's Degree

2020 - 2022

Interdisciplinary approach to energy issues - Mention TB



The University of Edinburgh – Erasmus+

2019 - 2020

History, economics & energy



Université de Montpellier III – Double curriculum

2017 - 2020

Degree in history and international relations

DU Preparation for political sciences and journalism

Lycée André Chamson – Baccalauréat

2017

Scientific section, major: earth and life sciences

Shifter – Membership

February 2021

Member of the support group to *The Shift Project*, a think tank contributing to the reflexion about a post-carbon economy.

La Ferme des D'jo – Co-Founder

May to September 2020

In partnership with three colleagues, I led an agricultural project in 2020 which aimed to grow organic soft onions on a land of 500m². Our project lasted five months, and We experienced .the final yield was successful as it reached 1.190 ton of organic soft onions.

Rock Climber

Passionate by natural landscape and mountaineering, I hold over 150 routes ascents graded from 7a to 8b.

PUBLICATIONS

- Lapi Thomas, Petros Chatzimpiros, Laurence Raineau, and Alain Prinzhofer. "System Approach to Natural versus Manufactured Hydrogen: An Interdisciplinary Perspective on a New Primary Energy Source." *International Journal of Hydrogen Energy* 47, no. 51 (2022): 21701–12.
<https://doi.org/10.1016/j.ijhydene.2022.05.039>.
- Hache Emmanuel, Laboué Pierre, Amsellem David, Lapi Thomas, Al-Amir Rim. « La stratégie minière des États-Unis ». *Rapport n°12 de l'IRIS (OSFME)*. Ministère des Armées françaises, DGRIS. (01/09/2022) https://www.iris-france.org/wp-content/uploads/2022/10/OSFME_R12_La-strat%C3%A9gie-des-Etats-Unis-dans-la-g%C3%A9opolitique-des-m%C3%A9taux_VF.pdf
- Billion Didier, Laboué Pierre, Lapi Thomas, « Les projets énergétiques dans les pays du Golfe et du Levant : focus pétrogazier ». *Bon de commande exceptionnel de l'IRIS (OSFME)*. Ministère des Armées françaises, DGRIS. (28/07/2022)
- Lapi Thomas, et Christophe Goupil. « Penser les stocks et flux d'énergie pour mieux comprendre la transition énergétique ». *Alter Kapitae*, (01/11/2022).
<https://www.alterkapitae.com/post/penser-les-stocks-et-flux-d-%C3%A9nergie-pour-mieux-comprendre-la-transition-%C3%A9nerg%C3%A9tique>.
- Lapi Thomas. « Que faut-il retenir du European Critical Raw Materials Act 2023 ? » *Note du programme climat, énergie & sécurité IRIS*, (03/2021). https://www.iris-france.org/wp-content/uploads/2023/03/21_ProgClimEnerSec.pdf.
- Lapi Thomas. « Vous avez dit "minerais critiques" ? La stratégie des États-Unis dans la géopolitique des métaux ». *Géopoweb*, (31/05/2023). https://geopoweb.fr/?VOUS-AVEZ-DIT-MINERAIS-CRITIQUES-LA-STRATEGIE-DES-ETATS-UNIS-DANS-LA*.