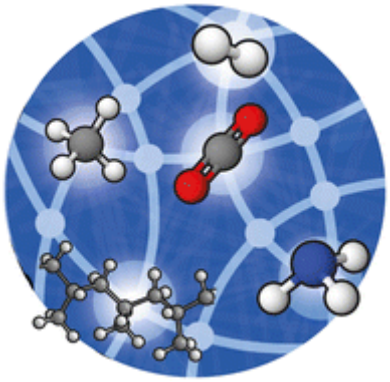
# SITUATED GREEN CHEMISTRIES

## Thursday April 17th 10.00 hours in D1.116

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The Nitrogen cycle, and ammonia production specifically offer a privileged entry point to discuss the role of catalysis, current scenarios for the energy transition and the importance of planetary boundaries framework to shape a Sustainable Planet and Society [1] .



The discussion of the nitrogen cycle from this point of view will offer a perspective on catalysis scenarios adapted to the energy transition and more largely to the Anthropocene epoch, leading to the introduction of the “situated green chemistries” framework [2] which attempts to combine chemistry, systems analysis and social sciences.

[1] Mathieu S. Prévot, Valeria Finelli, Xavier Carrier, Gabriele Deplano, Margherita Cavallo, Elsje Alessandra Quadrelli, Juliette Michel,¤ Marie-Hélène Pietraru, Clément Camp,Giulia Forghieri, Anna Gagliardi,Sebastian Seidel, Antoine Missemer, Bertrand Reuillard, Barbara Centrella, Silvia Bordiga, María Grace Salamanca González, Vincent Artero, Keanu V. A. Birkelbach, Niklas von Wolff. **Chem. Sci.**, 2024,15, 9054-9086

[2] (a) “What is « Sustainable Green Chemistry » Through systems thinking?” “GREEN CHEMISTRY” GORDON CONFERENCE ” Lecture, Casteldefels (Spain) , 28 July, 2022; (b) in French subtitled https://www.youtube.com/watch?v=gpDhpgy2U9g (c) manuscript in preparation.