



# Sustainable Chemicals

**Dr. Sotiria Mostrou**  
Co-founder & CEO

[sotiria.mostrou@biosimo-chemicals.com](mailto:sotiria.mostrou@biosimo-chemicals.com)

**INDUSTRY  
DAY 2022**  
Industry meets Science



Spin-off

**ETH** zürich



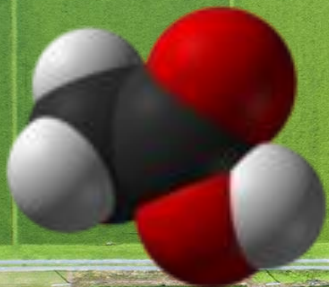


85% of synthetic materials are made from gas, oil, or coal!

We need independence from fossils to make our everyday products sustainable!



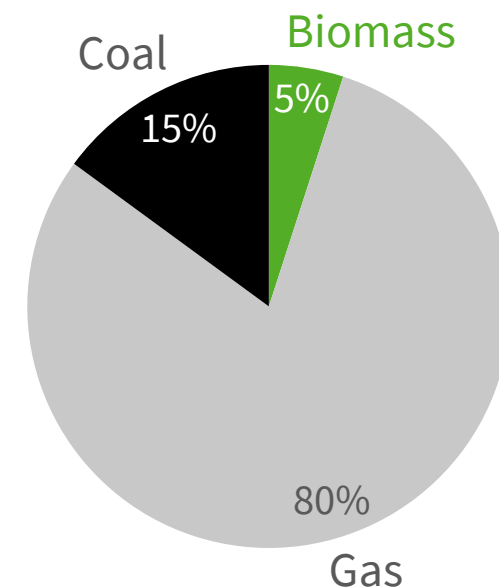




CHF 13 billion  
Global market  
Growing with 6%



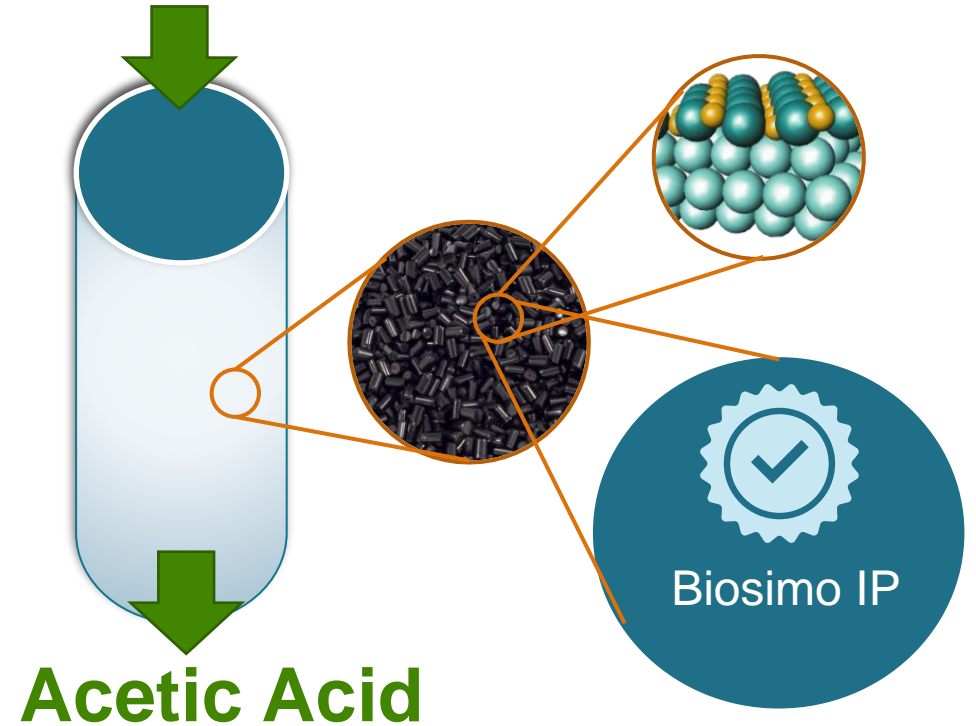
**Acetic acid is the  
most commercialized  
organic acid globally,  
and only 5% is green**





Biosimo is commercialising  
a cost-efficient technology  
developed at ETH to make  
green **acetic acid**

**Bioethanol & Air**



**Flow reactor**

- ✓ Low energy
- ✓ High throughput

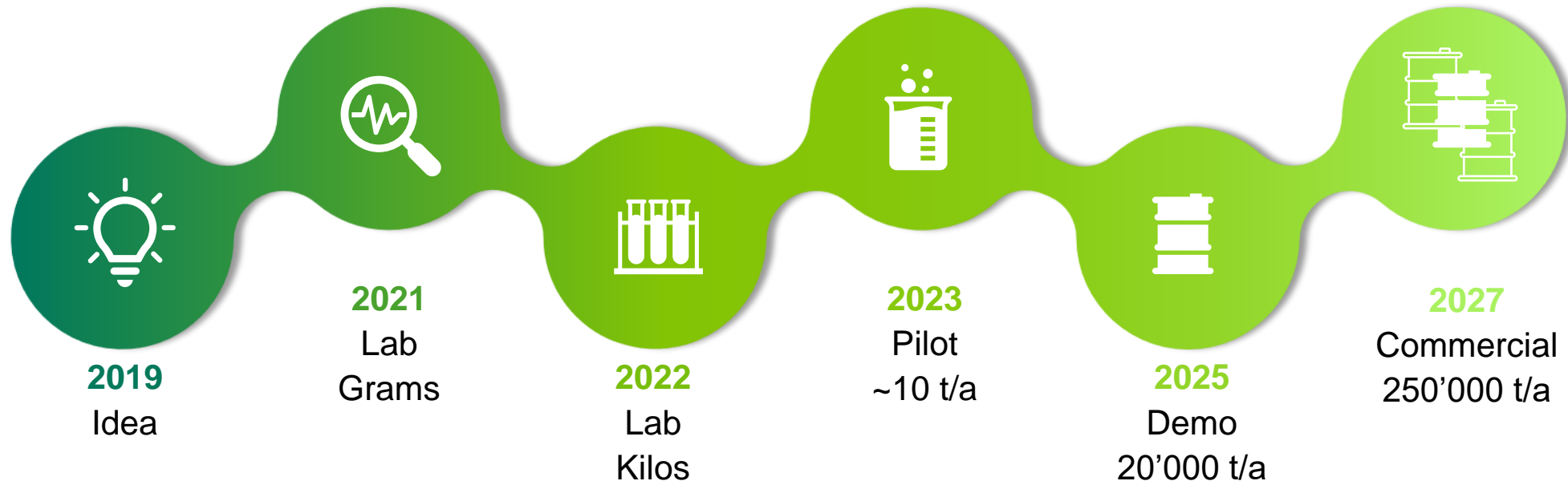
**Metal-oxide catalyst**

- ✓ Cheap
- ✓ Stable





# Scale-up of acetic acid





# The Biosimo Operational Team and Ecosystem



**Sotiria Mostrou**  
Co-founder & CEO



**Maximilian Moser**  
Co-founder & CTO



**Konstantina Ntrenogianni**  
Product Chemist



**Emily Lupporelli**  
Process Engineer

## Advisors



- Jeroen van Bokhoven – Catalyst design and development
- Stavros Papadokonstantakis – Chemical process design
- Anil Sethi - Entrepreneurship and Business Development
- David Douay - Chemical industry business and sales







[biosimo-chemicals.com](https://biosimo-chemicals.com)

*“For things to remain the same,  
everything must change.”*

*The Leopard – Giuseppe Tomasi di Lampedusa*

