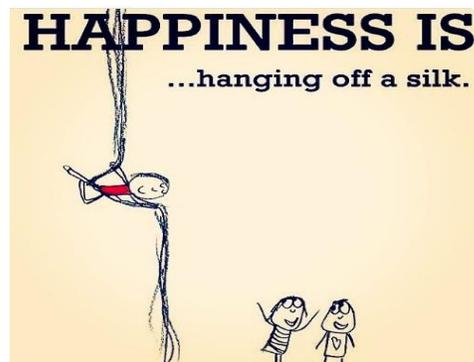




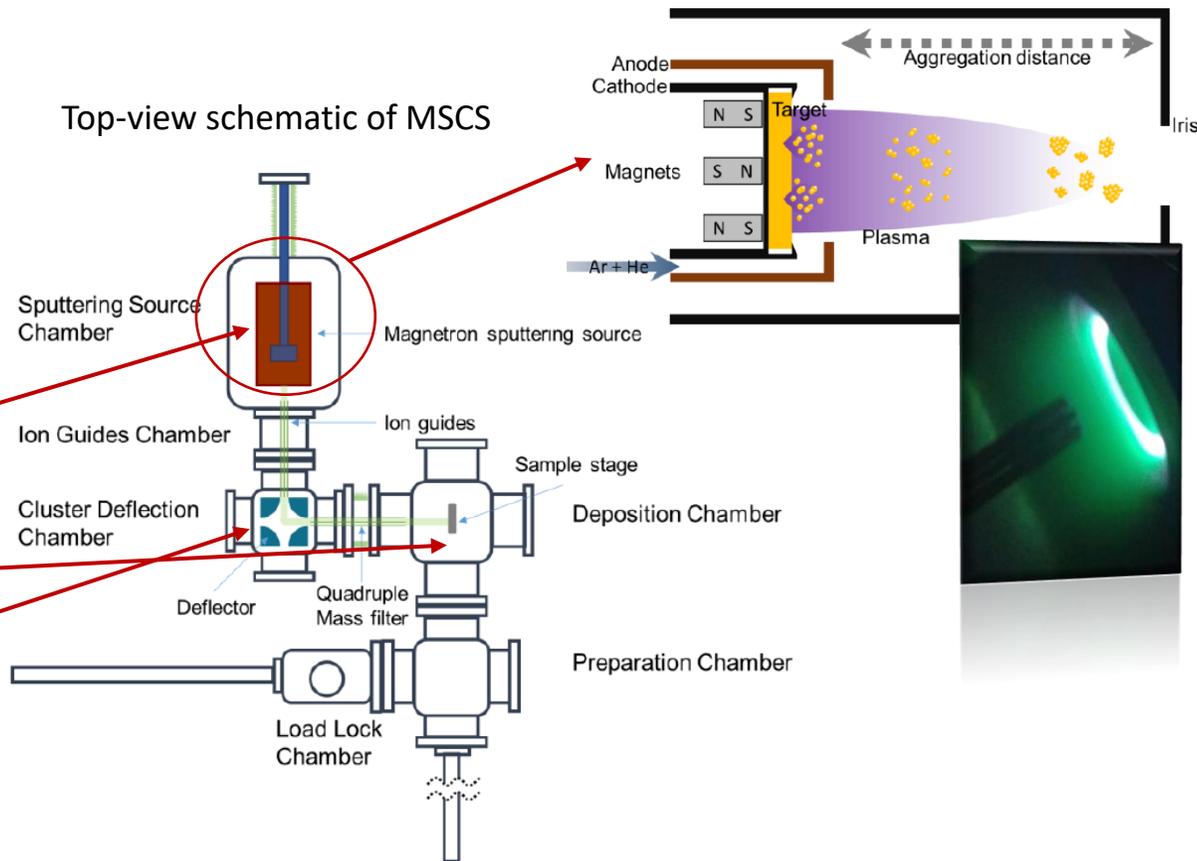
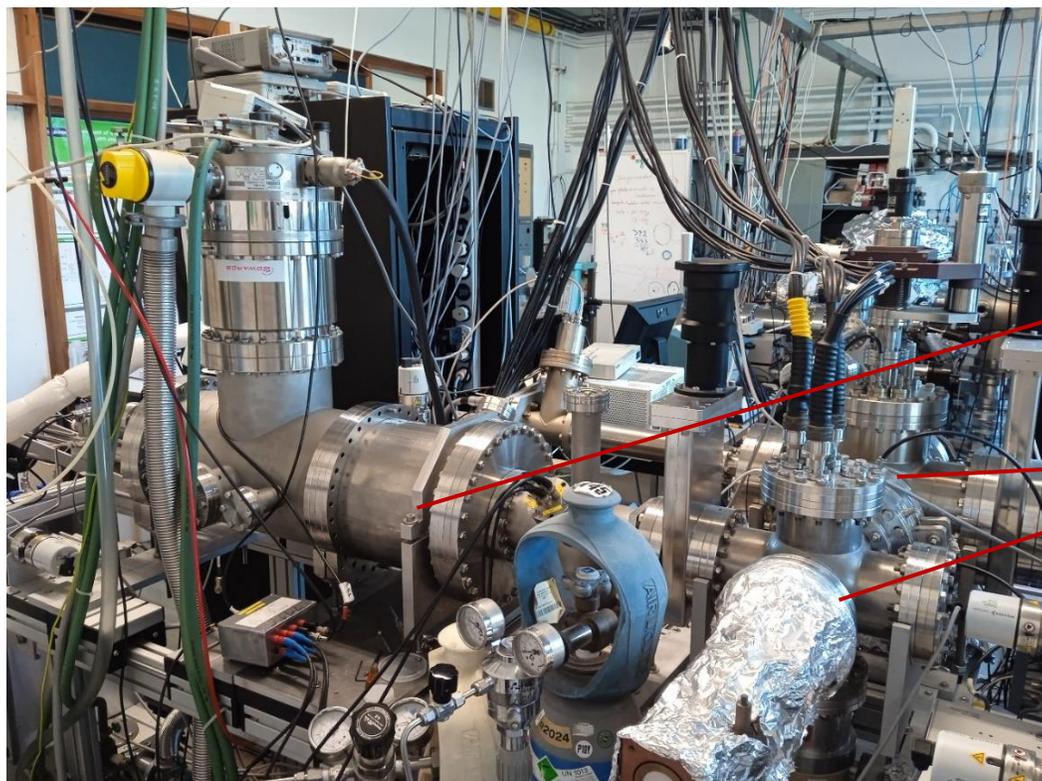
## CV in short



- BSc's studies in Chemistry, Aristotle University of Thessaloniki (AUTH), Greece
- MSc's studies in "Electrochemical Systems: Science and Technology", AUTH, Greece
  - Electrochemistry trainee at Uppsala University, Sweden (3 months)
    - *Mainly worked with conducting polymers for corrosion protection.*
  - *Experience in Electrochemistry + materials characterization techniques*



WP1: Magnetron sputtering cluster setup (MSCS) at KUL



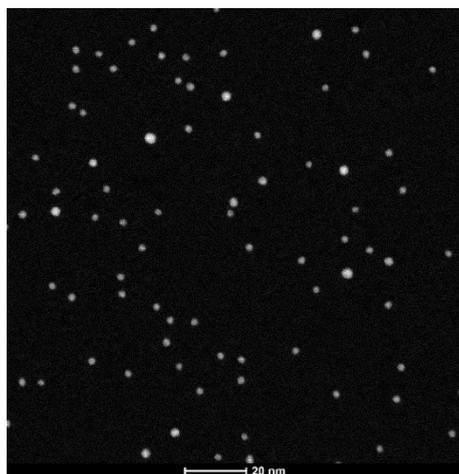
Goal: Calibration of the system using gold (Au) -> D1.1.

Calibration of MSCS

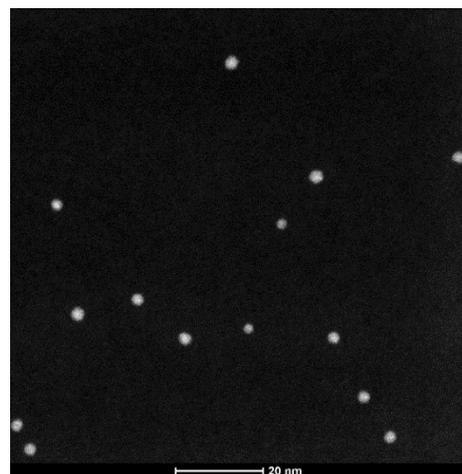
Mass-selection Mode	Figure	Size
Quadrupole mass filter		1-100 atoms
Ion Deflector/Bender		2-3 nm



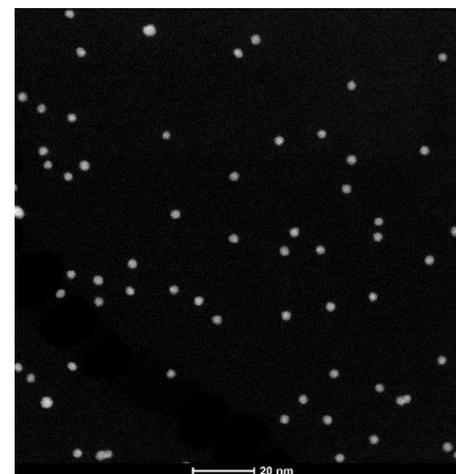
Au NCs deposited onto TEM grids: #Deema Balalta (ESR 10@UA) -> WP2, D2.3



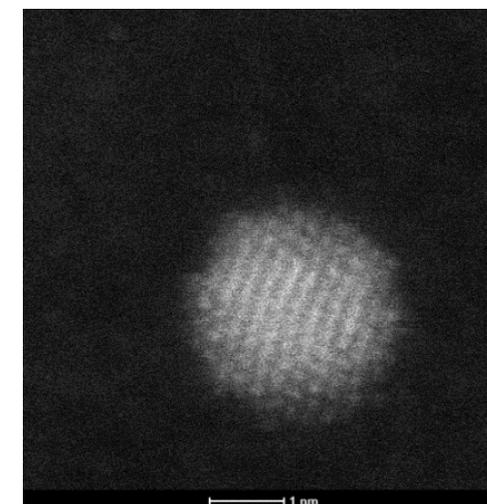
Sample 1- 10 V



Sample 2 - 15 V

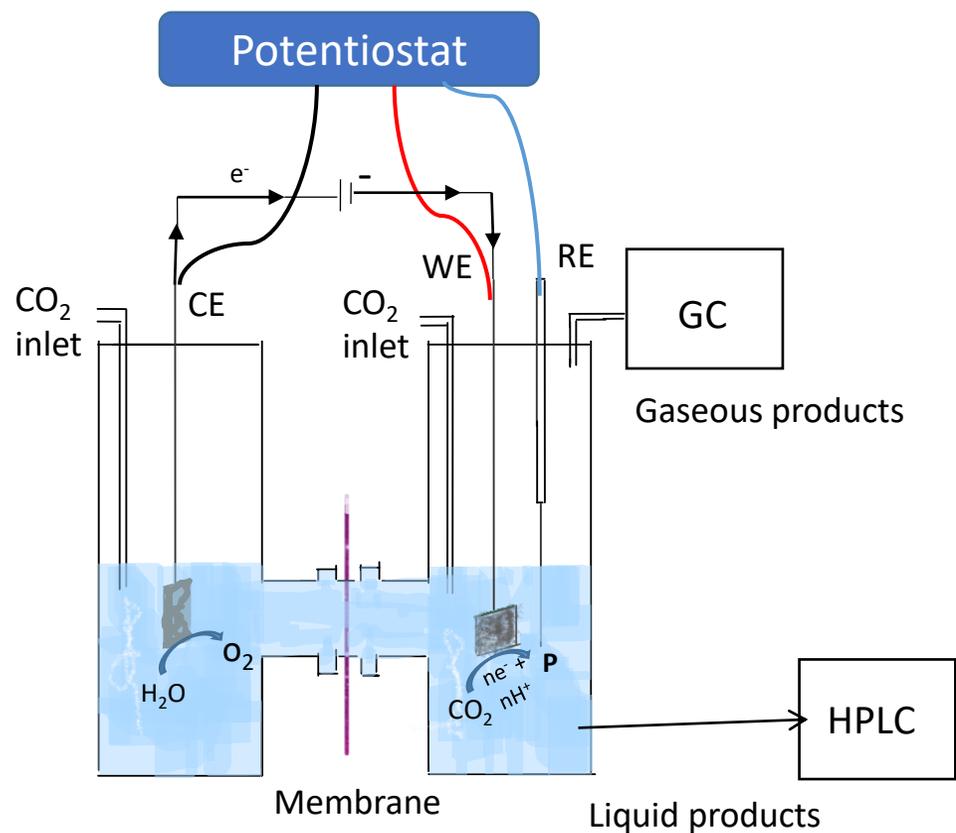


Sample 3 – 20 V



✓ Clusters with size >1nm

## WP5: Electrocatalytic activity testing of cluster-decorated electrodes



Secondment to VITO -&gt; D5.2:

1. Electrocatalytic activity /selectivity
2. Quantification of products
3. Optimization of electrocatalysis => switch to industrial flow cells -> D5.3

### Activities completed until today

Training	Outreach	Conferences	Secondments
<ul style="list-style-type: none"> <li>• Magnetron sputtering setup</li> <li>• COMSOL</li> <li>• XPS (WP2)</li> <li>• Teaching Assistant Training (ADS)</li> <li>• Preparation and submission of XAS beamtime proposal (D2.2)</li> </ul>	<ul style="list-style-type: none"> <li>○ Limitations due to covid19</li> <li>○ Submission of a mini-project in the framework of a course in KUL</li> </ul>	<ul style="list-style-type: none"> <li>○ <i>Nano Alloys</i> Workshop in Paris (postponed to 12/22)</li> <li>• Webinars on Magnetron sputtering and catalysis</li> </ul>	<ul style="list-style-type: none"> <li>• VITO NV Within short visits               <ul style="list-style-type: none"> <li>- D5.2, D5.3</li> </ul> </li> <li>○ PSI 2 visits: -2022 -2023</li> <li>○ BME (2023) WP3</li> </ul>

- Completed
- Pending



**Thank you for your attention!**

