Inventory of experimental and theoretical resources available for NanoSpace COST Action	
Country:	Germany
Name of Institution/Laboratory:	Helmholtz Munich
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Website:	https://www.helmholtz-munich.de/en/stb/research-groups/popowicz-lab
Short description **(max 0.5 page)** of available techniques (experiment or theory): If appropriate, please include 1 picture/figure and caption highlighting resources.	We have the ULYSSES package, a semi-empirical quantum chemical package suitable to calculate thermodynamics and dynamics of systems with low computational resources. This includes all the techniques necessary for structural characterization (geometry optimization, vibrational data, ideal gas properties), but also Born Oppenheimer Molecular Dynamics. The advantage is that, as I am the developer, modifications of the program for certain ends are easily accessible. I also have experience in higher level quantum chemical methods.
Sample/target description (e.g. gas, clusters, solid,…):	Gas, small clusters
How to access to experimental/computational resources (e.g. through collaboration, user facility proposal calls,….):	https://gitlab.com/siriius/ulysses or with collaboration
References **(max 5)**:	Menezes*, F.; Popowicz*, G. M. *J. Chem. Inf. Model.* (2022), *62*, 3685. *10.1021/acs.jcim.2c00757* Menezes*, F.; Popowicz*, G. M. *ChemPhysChem* (2022), *23*, e202200395. *10.1002/cphc.202200395* Menezes*, F.; Popowicz*, G. M. *Molecules* (2022), *27*, 3838. *10.3390/molecules27123838* Miranda, A. S.; Marcos, P. M.; Ascenso, J. R.; Berberan-Santos, M. N.; Menezes, F. *Molecules* (2022), *27*, 3247. *10.3390/molecules27103247* Menezes*, F.; Popowicz*, G. M. *Molecules* (2023), 28, 2841. *10.3390/molecules28062841*