

NOMAD



**Barcelona
Supercomputing
Center**
Centro Nacional de Supercomputación

Georg Huhs

All about the NOMAD Encyclopedia (Tutorial)

This project has received funding from the European Union's Horizon 2020 research and innovation programme, grant agreement No 676580.

The NOMAD Encyclopedia



Tutorial contributors:



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API



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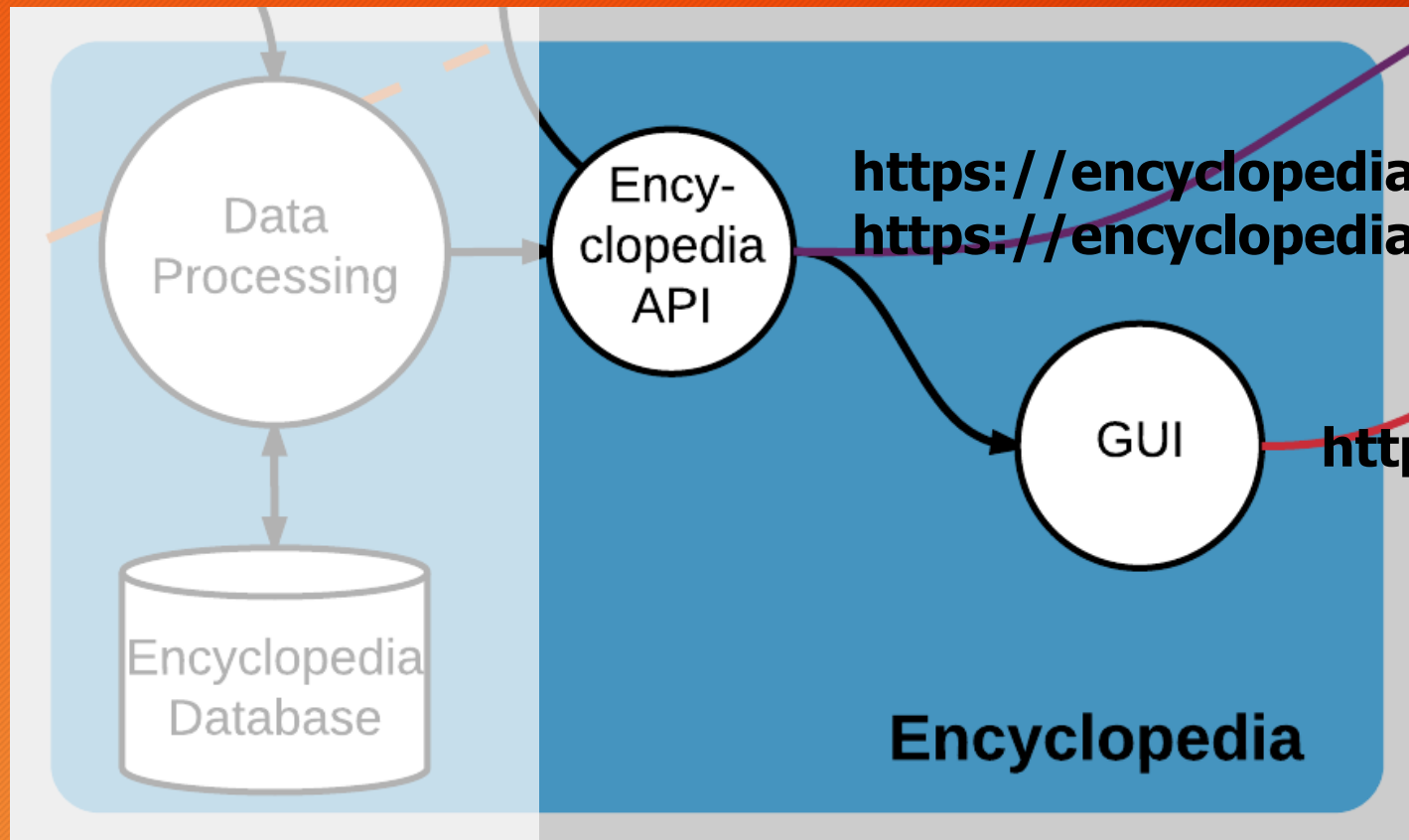
Visualizer



Iker Hurtado

JS

The NOMAD Encyclopedia



<https://encyclopedia-api.nomad-coe.eu/v1.0/>

<https://encyclopedia-doc.nomad-coe.eu/>

<https://encyclopedia-gui.nomad-coe.eu/>

The NOMAD Encyclopedia



Steps:

GUI

API minimal

API with Python

3D viewer

Exercises

A screenshot of a periodic table of elements. The element Niobium (Nb) is highlighted with a white box and a red border. The table includes element symbols, atomic numbers, and names. The lanthanide and actinide series are shown at the bottom.

H 1																	He 2	
Li 3	Be 4											B 5	C 6	N 7	O 8	F 9	Ne 10	
Na 11	Mg 12											Al 13	Si 14	P 15	S 16	Cl 17	Ar 18	
K 19	Ca 20	Sc 21	Ti 22	V 23	Cr 24	Mn 25	Fe 26	Co 27	Ni 28	Cu 29	Zn 30	Ga 31	Ge 32	As 33	Se 34	Br 35	Kr 36	
Rb 37	Sr 38	Y 39	Zr 40	Nb 41	Mo 42	Tc 43	Ru 44	Rh 45	Pd 46	Ag 47	Cd 48	In 49	Sn 50	Sb 51	Te 52	I 53	Xe 54	
Cs 55	Ba 56			Hf 72	Ta 73	W 74	Re 75	Os 76	Ir 77	Pt 78	Au 79	Hg 80	Tl 81	Pb 82	Bi 83	Po 84	At 85	Rn 86
Fr 87	Ra 88			Rf 104	Ha 105	Sg 106	Ns 107	Hs 108	Mt 109	Ds 110	Rg 111	Cn 112	Nh 113	Fl 114	Mc 115	Lv 116	Ts 117	Og 118
		La 57 Ce 58 Pr 59 Nd 60 Pm 61 Sm 62 Eu 63 Gd 64 Tb 65 Dy 66 Ho 67 Er 68 Tm 69 Yb 70 Lu 71																
		Ac 89 Th 90 Pa 91 U 92 Np 93 Pu 94 Am 95 Cm 96 Bk 97 Cf 98 Es 99 Fm 100 Md 101 No 102 Lr 103																