

Course	Given at	link @ VSC	link @ CÉCI	link @ EuroCCBE
Introduction to HPC	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/R0xT-0r5wsY">https://youtu.be/R0xT-0r5wsY</a>	
Find Help	CECI		<a href="https://youtu.be/ig0XWpFpRWw">https://youtu.be/ig0XWpFpRWw</a>	
Connecting to clusters	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/z98ua6bx00k">https://youtu.be/z98ua6bx00k</a>	
How to use software on clusters	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/DaVvuhJ2HsQ">https://youtu.be/DaVvuhJ2HsQ</a>	
Container for HPC	VSC, CECI	<a href="https://gibex.github.io/Containers-for-HPC/">https://gibex.github.io/Containers-for-HPC/</a>	<a href="https://youtu.be/4hq8icy2k3Q">https://youtu.be/4hq8icy2k3Q</a>	
Storage on the clusters	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/9015klyMBCw">https://youtu.be/9015klyMBCw</a>	
submit jobs with SLURM	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/RXwllcZaimc">https://youtu.be/RXwllcZaimc</a>	
Introduction to Linux and the command line	VSC, CECI	<a href="https://hpcleuven.github.io/HPC-intro/">https://hpcleuven.github.io/HPC-intro/</a>	<a href="https://youtu.be/wWWDv4g7Tcl">https://youtu.be/wWWDv4g7Tcl</a>	
Linux tools	VSC	<a href="https://hpcleuven.github.io/Linux-for-HPC/">https://hpcleuven.github.io/Linux-for-HPC/</a>	<a href="https://youtu.be/GLBZGVKvGv0">https://youtu.be/GLBZGVKvGv0</a>	
CMake	VSC	<a href="https://hpcleuven.github.io/Linux-tools/">https://hpcleuven.github.io/Linux-tools/</a>		
Makefiles	VSC	<a href="https://hpcleuven.github.io/Makefile-intro/">https://hpcleuven.github.io/Makefile-intro/</a>		
fortran	VSC, CECI	<a href="https://gibex.github.io/Fortran-for-programmers/">https://gibex.github.io/Fortran-for-programmers/</a>	<a href="https://youtu.be/wDOCaKz4bPM">https://youtu.be/wDOCaKz4bPM</a>	
C	CÉCI		<a href="https://youtu.be/0cOQ127akCc">https://youtu.be/0cOQ127akCc</a>	
C++	VSC, CECI	<a href="https://gibex.github.io/Scientific-C-plus-plus/">https://gibex.github.io/Scientific-C-plus-plus/</a>	<a href="https://youtu.be/s5b6MvVmrUc">https://youtu.be/s5b6MvVmrUc</a>	
Python	VSC, CECI	<a href="https://gibex.github.io/Scientific-Python/">https://gibex.github.io/Scientific-Python/</a>	<a href="https://youtu.be/S3_jalBveds">https://youtu.be/S3_jalBveds</a>	
Matlab	VSC, CECI		<a href="https://youtu.be/RS2K3MmC5x8">https://youtu.be/RS2K3MmC5x8</a>	
Julia	VSC		<a href="https://youtu.be/FsL2oE9JlVM">https://youtu.be/FsL2oE9JlVM</a>	
Compilers and optimized libraries	CECI		<a href="https://youtu.be/9Q0fVmuRbJA">https://youtu.be/9Q0fVmuRbJA</a>	
Programming using chatgpt and copilot	EuroCC			
Python systems programming	VSC	<a href="https://gibex.github.io/Python-for-systems-programming/">https://gibex.github.io/Python-for-systems-programming/</a>		
Python software engineering	VSC	<a href="https://gibex.github.io/Python-software-engineering/">https://gibex.github.io/Python-software-engineering/</a>		
Python for HPC	VSC, CECI	<a href="https://gibex.github.io/Python-for-HPC/">https://gibex.github.io/Python-for-HPC/</a>	<a href="https://youtu.be/gmt1sgQCQcw">https://youtu.be/gmt1sgQCQcw</a>	
Julia for HPC	VSC, CECI		<a href="https://youtu.be/BsupPmlJdA4">https://youtu.be/BsupPmlJdA4</a>	
Defensive programming	VSC			
Debugging	VSC, CECI		<a href="https://youtu.be/ZnF3DQcgoFl">https://youtu.be/ZnF3DQcgoFl</a>	
Code versioning	VSC, CECI	<a href="https://gibex.github.io/Version-control-with-git/">https://gibex.github.io/Version-control-with-git/</a>	<a href="https://youtu.be/otbOElJbCl">https://youtu.be/otbOElJbCl</a>	
Code optimization	VSC	<a href="https://gibex.github.io/Code-optimization/">https://gibex.github.io/Code-optimization/</a>		
Performance aware C++ workflow	EuroCC			<a href="https://www.enccb.be/node/79">https://www.enccb.be/node/79</a>
Atools	VSC, CECI	<a href="https://admin.kuleuven.be/icts/opleidingen/opleidingsaanb">https://admin.kuleuven.be/icts/opleidingen/opleidingsaanb</a>	<a href="https://youtu.be/2OypAAENCiw">https://youtu.be/2OypAAENCiw</a>	
Makeflow	CECI		<a href="https://youtu.be/gwTqlqQ-7o">https://youtu.be/gwTqlqQ-7o</a>	
Checkpoint restart	CECI		<a href="https://youtu.be/NIT4iblrDIA">https://youtu.be/NIT4iblrDIA</a>	
Introduction to parallel programming	CECI		<a href="https://youtu.be/gHlMWDwwifg">https://youtu.be/gHlMWDwwifg</a>	
MPI	VSC, CECI		<a href="https://youtu.be/fvrHXV8yqU4">https://youtu.be/fvrHXV8yqU4</a>	
OpenMP	VSC, CECI		<a href="https://youtu.be/Xexa1JUlIn4">https://youtu.be/Xexa1JUlIn4</a>	
OpenACC	CECI		<a href="https://youtu.be/BAKltBLBORQ">https://youtu.be/BAKltBLBORQ</a>	
CUDA	CECI		<a href="https://youtu.be/9oWgUZ_oWlg">https://youtu.be/9oWgUZ_oWlg</a>	
TBB	VSC		<a href="https://youtu.be/yfcKjLDTGv4">https://youtu.be/yfcKjLDTGv4</a>	
MPI	VSC			
OpenMP	VSC			
FPGA	EuroCC			
Introduction to machine learning/Neural networks	VSC, CECI		<a href="https://youtu.be/mCq5FMlqYzo">https://youtu.be/mCq5FMlqYzo</a>	
Python for machine learning	VSC	<a href="https://gibex.github.io/Python-for-machine-learning/">https://gibex.github.io/Python-for-machine-learning/</a>		
Tensorflow	CECI		<a href="https://youtu.be/-dgBKeC7FT0">https://youtu.be/-dgBKeC7FT0</a>	
Data versioning	CECI		<a href="https://youtu.be/ndJe5-Jf8IQ">https://youtu.be/ndJe5-Jf8IQ</a>	
Open research data	CECI		<a href="https://youtu.be/Dci38O9xPnk">https://youtu.be/Dci38O9xPnk</a>	
Python for data science	VSC, CECI	<a href="https://gibex.github.io/Python-for-data-science/">https://gibex.github.io/Python-for-data-science/</a>	<a href="https://youtu.be/o0qH8sEDUj4">https://youtu.be/o0qH8sEDUj4</a>	
Introduction to quantum computing	EuroCC			
AlphaFold/Openfold	VSC			
OpenFOAM	VSC			
Licensing code	EuroCC			

