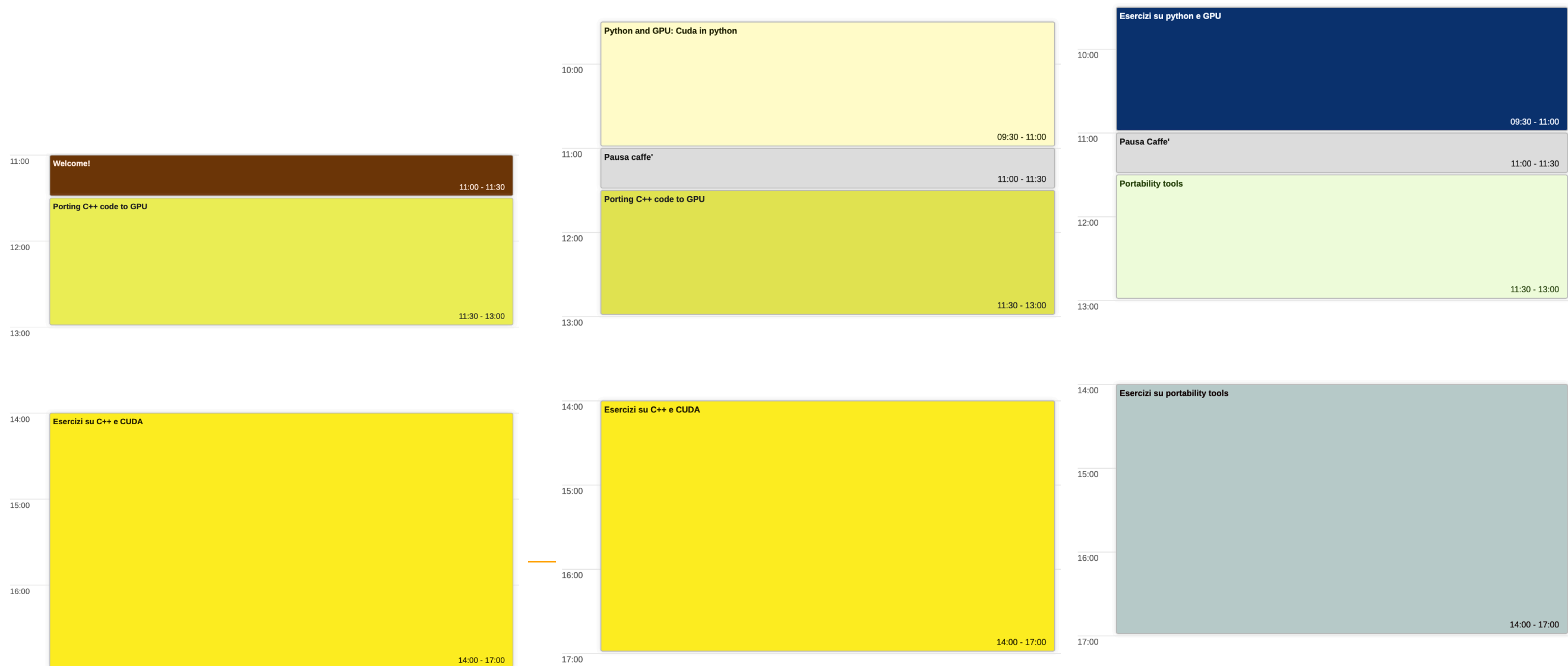

First course about the porting on GPUs of code and algorithms

Welcome!

- The course is promoted by the WP4 in the framework of CN - Spoke-2 PNNR project
- This is the first of a few training initiatives that we are planning for the future:
 - An introductory course to GPUs (this one)
 - Advanced courses on parallel programming (not earlier than this autumn, your feedback on this course will be helpful!)
 - Similar activities on the scientific use of FPGA (after the summer)
- For this course, instead of the usual Zoom, it was chosen the Discord platform
 - it easily allows to configure parallel rooms during the hands-on sessions.
 - All those participating to the hands-on sessions can divide among at least 4 rooms,
 - each one served by a “facilitator”, i.e. an experienced colleague willing to help.
 - You will need to register and then you can access the course at this link:
<https://discord.gg/hd9PkKtC>
- **The usage of accelerators (as GPUs and FPGAs) is one of the topics of the spoke-2 flagship programme.**

The agenda

- <https://agenda.infn.it/event/35808/>
- We have re-opened the registrations, please if you gave not yet done it do it now!
 - We will need the full list for our reports to the PNRR referees
- The course is divided into morning theory sessions and afternoon hands-on sessions
 - We will treat both C/C++ code and python related features



Technical details

- Two servers equipped with GPUs (and CPUs) are available for the hands-on session:
 - **hpc-gpu-1-2-1.recas.ba.infn.it** & **hpc-gpu-1-4-3.recas.ba.infn.it**
 - If your family name starts with a letter between A and K you will login on the first one, otherwise on the second one (in order to balance the workload)
- Depending on the server you are supposed to use you can log into the machine by means of the command:
 - **ssh -p 12345 -i .ssh/id-rsa userN@hpc-gpu-1-4-3.recas.ba.infn.it**
(or userN@hpc-gpu-1-2-1.recas.ba.infn.it)
 - You will need to log in from the pc/laptop you used to create the public key you submitted through the google form.
- userN is the username; you get N from the list of usernames associated with each of you (see next slide)

Username

user1	Gioacchino	Vino
user2	gennai	simone
user3	Dall'Amico	Marco
user4	Guzzi	Luca
user5	D'Onofrio	Adelina
user6	Visconti	Francesco
user7	Gerosa	Raffaele
user8	Spolon	Alessia
user9	Cinnirella	Emmanuele Gesualdo
user10	Iorio	Giuliano
user11	Semenzato	Federico
user12	Capriotti	Lorenzo
user13	Tagliazucchi	Matteo
user14	Ramirez Sanchez	Gabriel
user15	Miola	Andrea
user16	Rossi Tisbeni	Simone
user17	Monterreali	Federico
user18	Principe	Giacomo
user19	ANWAR	MUHAMMAD NUMAN
user20	Lorusso	Marco
user21	Spisso	Bernardino
user22	Pizzati	Giorgio
user23	Trovato	Agata
user24	Bocci	Andrea
user25	Pazzini	Jacopo

user26	Renzi	Alessandro
user27	Fiori	Michele
user28	Corchia	Federico Andrea Guillaume
user29	Corazzina	Lorenzo
user30	Megale	Rita
user31	Perego	Aurora
user32	Marcon	Caterina
user33	Tarasio	Alessandro
user34	Bianco	Gianluca
user35	Oleari	Carlo
user36	Panizzi	Luca
user37	Benaglia	Andrea Davide
user38	migliorini	matteo
user39	Cristella	Leonardo
user40	Diotalevi	Tommaso
user41	Sabella	Gianluc
user42	Salicari	Leonardo
user43	Perna	Gabriele
user44	Cirotto	Francesco
user45	Pantaleo	Felice
user46	D'Avanzo	Antonio
user47	Anelli	Alessia
user48	Fazzini	Davide
user49	Troiano	Donato
user50	Mozzanica	Martina

user51	Capelli	Simone
user52	Sgalletta	Cecilia
user53	Martinelli	Maurizio
user54	Simone	Federica Maria
user55	Gotti	Luca
user56	Battilana	Carlo
user57	Tiberio	Alessio
user58	Minarini	Francesco
user59	Di Florio	Adriano
user60	Giuli	Francesco
user61	Negro	Giuseppe
user62	Sozbilir	Umit
user63	Valente	Lorenzo
user64	D'Anzi	Brunella
user65	Mastrandrea	Paolo
user66	Cuna	Federica
user67	Riccardo	Di Tria
user68	Zuzolo	Paolo
user69	Calabria	Nicola Fulvio
user70	conventi	francesco
user71	Delle Rose	Luigi
user72	Rossi	Elvira
user73	Guerrieri	Giovanni
user74	Faucci Giannelli	Michele
User75	Franchini	Matteo