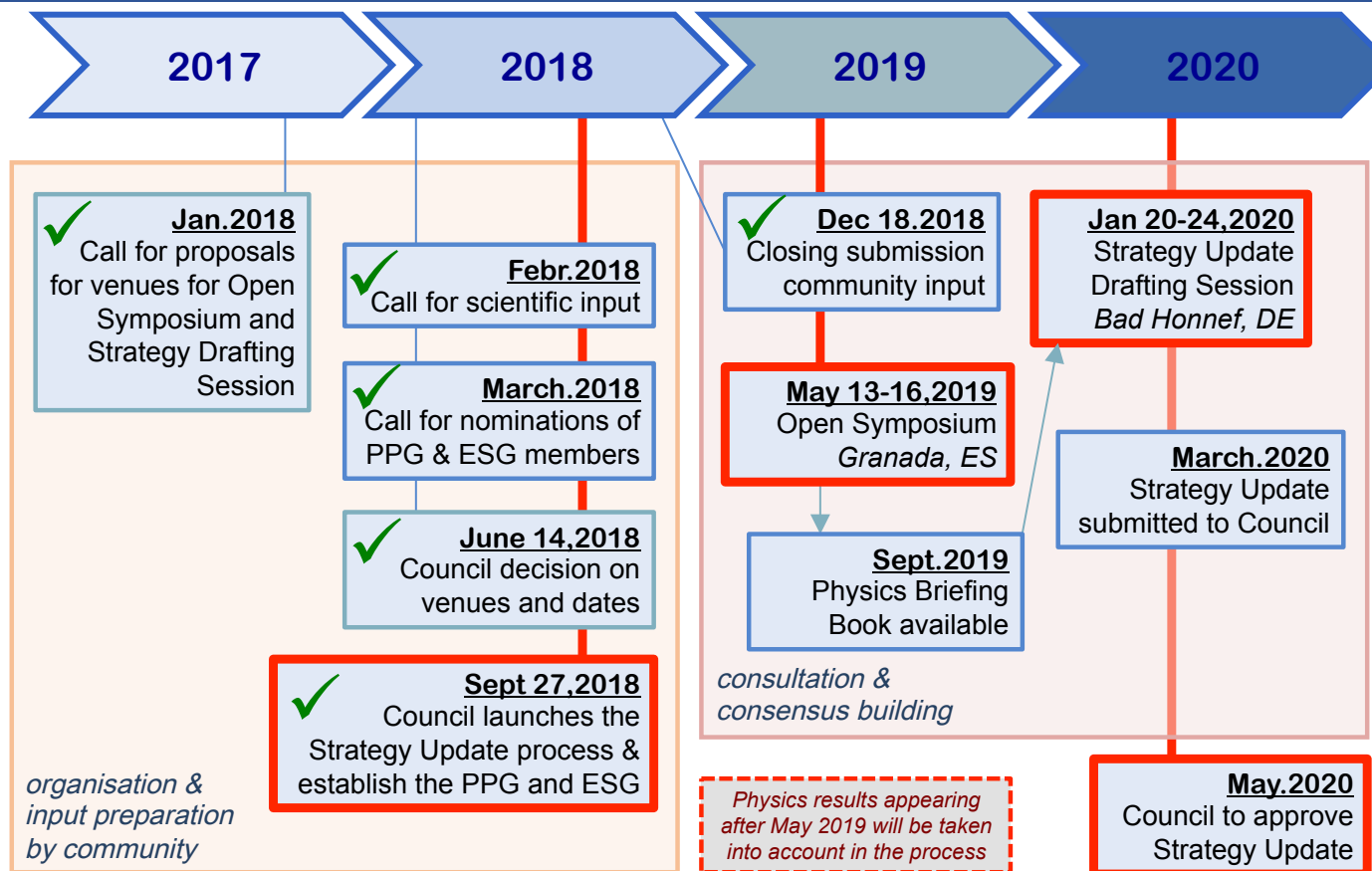


# European Particle Physics Strategy Update 2020

## Organisation of the Update Process

- Decision making body - CERN Council
- Drafting of the Strategy Update document - responsibility of the European Strategy Group (ESG)
- **Scientific Input to the Strategy Update** - responsibility of the Physics Preparatory Group (PPG)
- Coordinating body - the Strategy Update Secretariat (SUS)

## Timeline



## Scientific Input to the Strategy Update

- Call for inputs issued February 28, 2018 with deadline for submission December 18, 2018
- 160 submissions received

Track ID	Granada sessions	Description	Conveners	
1		Large experiments and projects	PPG/ESG	40
2		National road maps	ESG	42
7	B1	Electroweak Physics (physics of the W, Z, H bosons, of the top quark, and QED)	Keith Ellis	Beate Heinemann 21
8	B2	Flavour Physics and CP violation (quarks, charged leptons and rare processes)	Belen Gavela	Antonio Zoccoli 27
5	B3	Dark matter and Dark Sector (accelerator and non-accelerator dark matter, dark photons, hidden sector, axions)	Marcela Carena	Shoji Asai 27
3	B4	Accelerator Science and Technology	Caterina Biscari	Lenny Rivkin 51
4	B5	Beyond the Standard Model at colliders (present and future)	Gian Giudice	Paris Sphicas 20
10	B6	Strong Interactions (perturbative and non-perturbative QCD, DIS, heavy ions)	Krzysztof Redlich	Jorgen D'Hondt 31
9	B7	Neutrino Physics (accelerator and non-accelerator)	Stan Bentvelsen	Marco Zito 23
6	B8	Instrumentation and Computing	Xinchou Lou	Brigitte Vachon 35
11		Other (communication, outreach, strategy process, technology transfer, individual contributions,...)	ESG	

- The Open Symposium aims to reach a consensus on the *scientific goals* of the community, based on the provided input, and assess the proposed projects and technologies to achieve those goals
- This is to ensure that the ESG is provided with all the necessary input to propose a realistic update of the Strategy - decisions on strategic choices are not expected to be taken this week

## Open Symposium

### **Parallel Sessions** convened by members of the PPG

- Experts invited to summarise submitted input
- Two sessions per theme, separated by half a day
- Focus on a few fundamental questions (posted on Granada website under "Organisation of the Symposium")
- Plenty of time for discussions

### **Plenary Sessions**

- Two half-days to review where we stand and what is expected of the European community, also by communities outside Europe
- Full day of summaries from the parallel session discussions
- End product of the Symposium → Briefing Book based on the summaries, compiled by the PPG, assisted by scientific secretaries who will take note of the discussions in each session

## Final Remarks

- The CERN management is responsible for implementing the European Strategy for Particle Physics, in collaboration with the European national laboratories and institutes in the field
- The Strategy document also acts as an important guide for the National Funding Agencies - this should be kept in mind when formulating the update
- Discussions at the Open Symposium are crucial to ensure that the ESG is provided with all the necessary input to formulate the final recommendations
- We look forward to constructive debate

## Backup slides

## Strategy Secretariat

- H. Abramowicz (Chairperson)
- J. D'Hondt (ECFA Chairperson, *ECFA: European Committee for Future Accelerators*)
- K. Ellis (SPC Chairperson, *SPC: Science Policy Committee @ CERN*)
- L. Rivkin (European LDG Chairperson, *LDG: Lab Directors Group*)

Contact: [EPPSU-Strategy-Secretariat@cern.ch](mailto:EPPSU-Strategy-Secretariat@cern.ch)

## Physics Preparatory Group

- *Strategy Secretariat*
- Caterina Biscari (ES), Belen Gavela (ES), Beate Heinemann (DE), Krzysztof Redlich (PL) - *delegates nominated by SPC*
- Stan Bentvelsen (NL), Paris Sphicas (GR), Marco Zito (FR), Antonio Zoccoli (IT) - *delegates nominated by ECFA*
- Gian Giudice (CERN) - *nominated by CERN*
- Shoji Asai (Japan) and Xinchou Lou (China) - *delegates from Asia nominated by ICFA*
- Marcela Carena (US) and Brigitte Vachon (Canada) - *delegates from the Americas nominated by ICFA*

Responsible to organize the Open Symposium and to deliver to the European Strategy Group (ESG) a Briefing Book.



## Composition of the ESG

European Strategy Group (ESG) composition, adopted by Council, December 2013:

- the Strategy Secretary (acting as Chairperson),
- one representative appointed by each CERN Member State,
- one representative for each of the Laboratories participating in the major European Laboratory Directors' meeting, including its Chairperson,
- the CERN Director-General,
- the SPC Chairperson,
- the ECFA Chairperson.

Responsible to deliver a draft Strategy  
Update to Council.

### Invitees

- the President of the CERN Council,
- one representative from each of the Associate Member States,
- one representative from each Observer State,
- one representative from the European Commission and JINR,
- the Chairpersons of ApPEC, FALC, ESFRI, and NuPECC,
- the members of the Physics Preparatory Group.