

European Particle Physics Strategy Update

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Member of EPPSU Physics Preparatory Group

CINP+IPP Joint meeting
11 June 2020

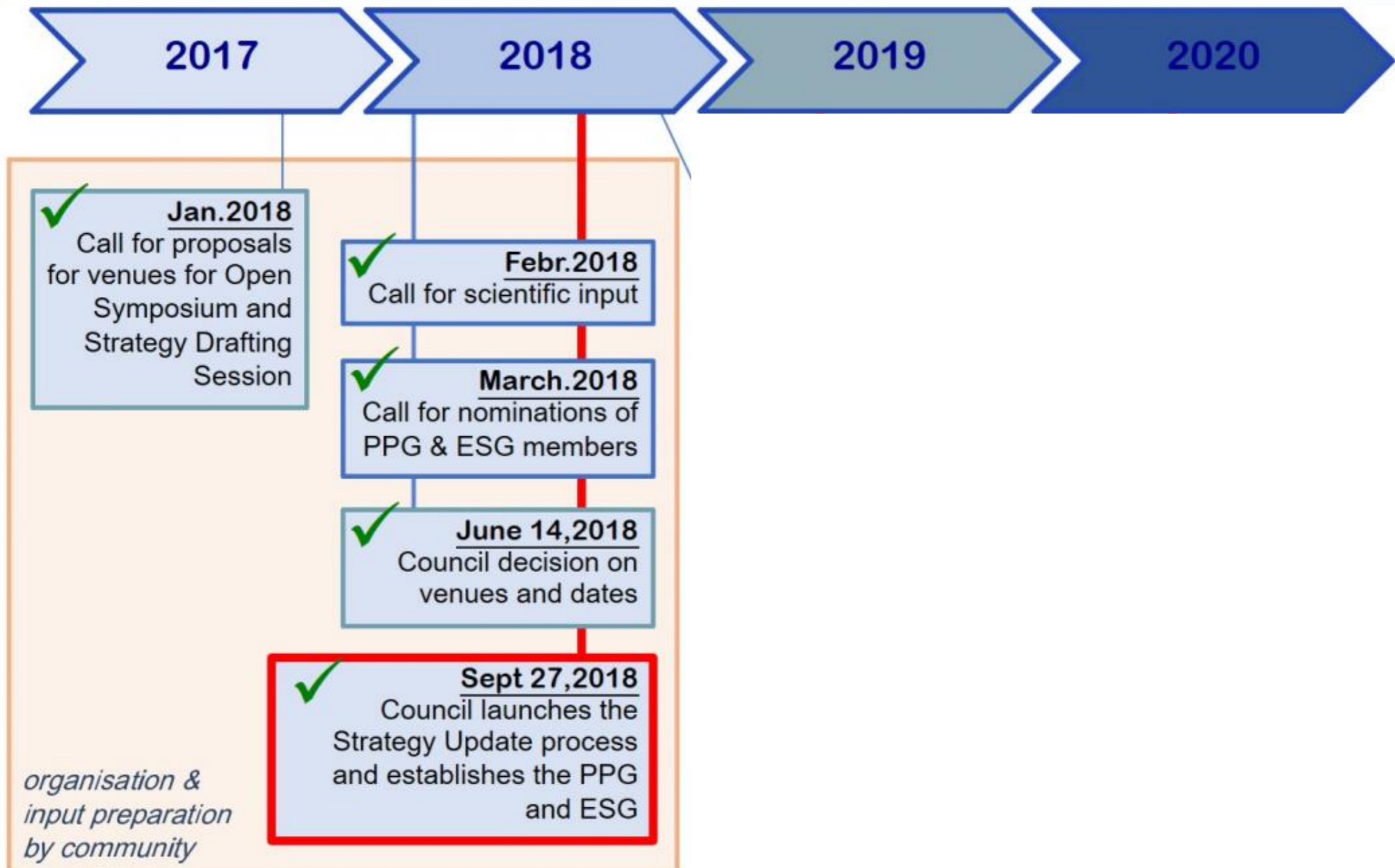
What is the EPPSU?

- Every ~7 years, the European particle physics community reviews and updates the priorities and strategy of the field.
 - <http://council.web.cern.ch/en/content/european-strategy-particle-physics>.
- CERN Director-General is responsible for the implementation of the strategy.



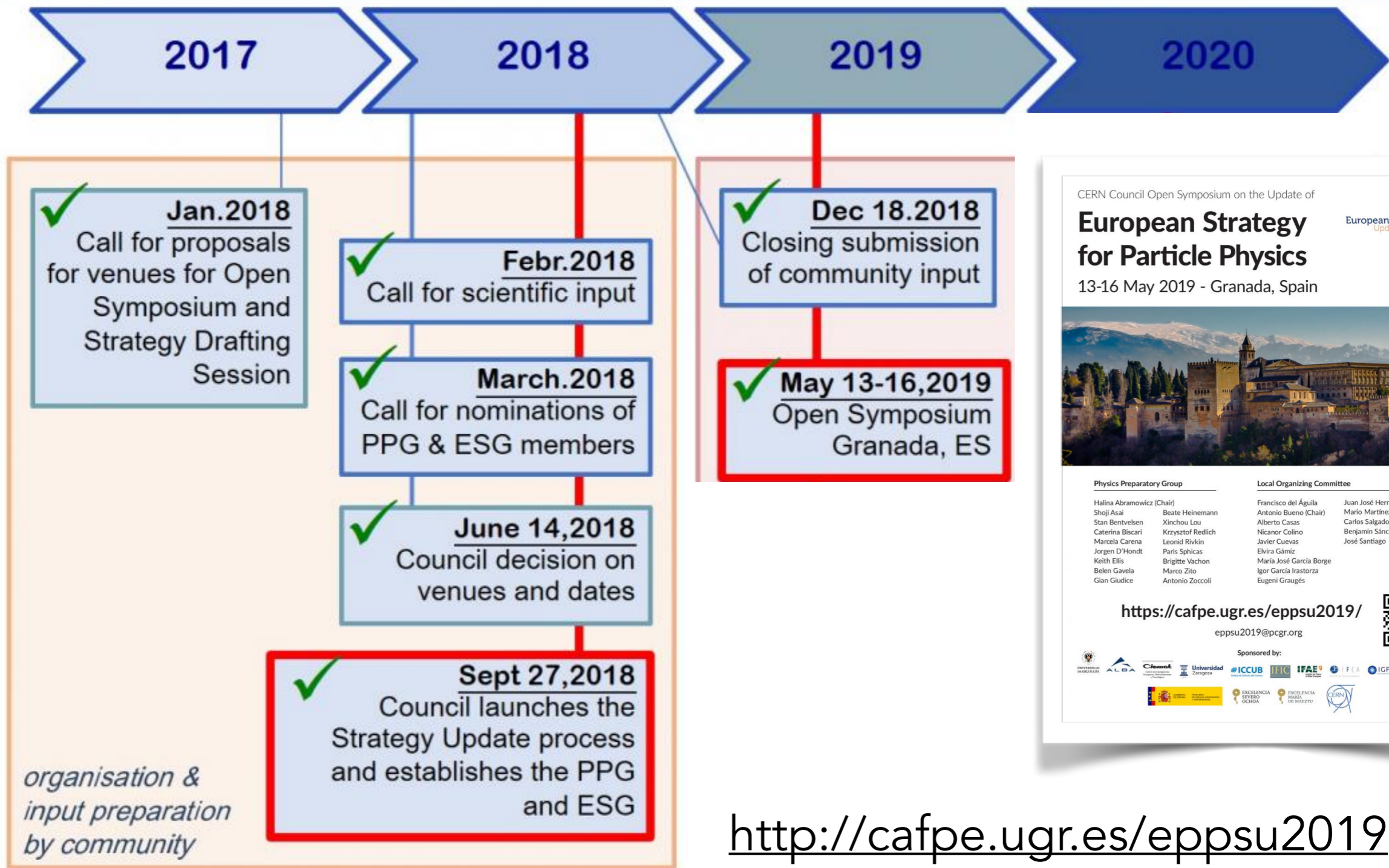
EPPSU 2020 Process

EPPSU 2020 timeline



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CERN Council Open Symposium on the Update of
European Strategy for Particle Physics
 13-16 May 2019 - Granada, Spain

Physics Preparatory Group

Halina Abramowicz (Chair)	Beate Heinemann	Francisco del Águila	Juan José Hernández
Shoji Asai	Xinchou Lou	Antonio Bueno (Chair)	Mario Martínez
Stan Bentvelsen	Krzysztof Redlich	Alberto Casas	Carlos Salgado
Caterina Biscari	Leonid Rivkin	Nicanor Colino	Benjamín Sánchez Gimeno
Marcela Carena	Paris Sphicas	Javier Cuevas	José Santiago
Jorgen D'Hondt	Brigitte Vachon	Elvira Gámiz	
Keith Ellis	Marco Zito	María José García Borge	
Belen Gavela	Antonio Zoccoli	Igor García Irastorza	
Gian Giudice		Eugení Graugés	

Local Organizing Committee

https://cafpe.ugr.es/eppsu2019/
 eppsu2019@pcgr.org

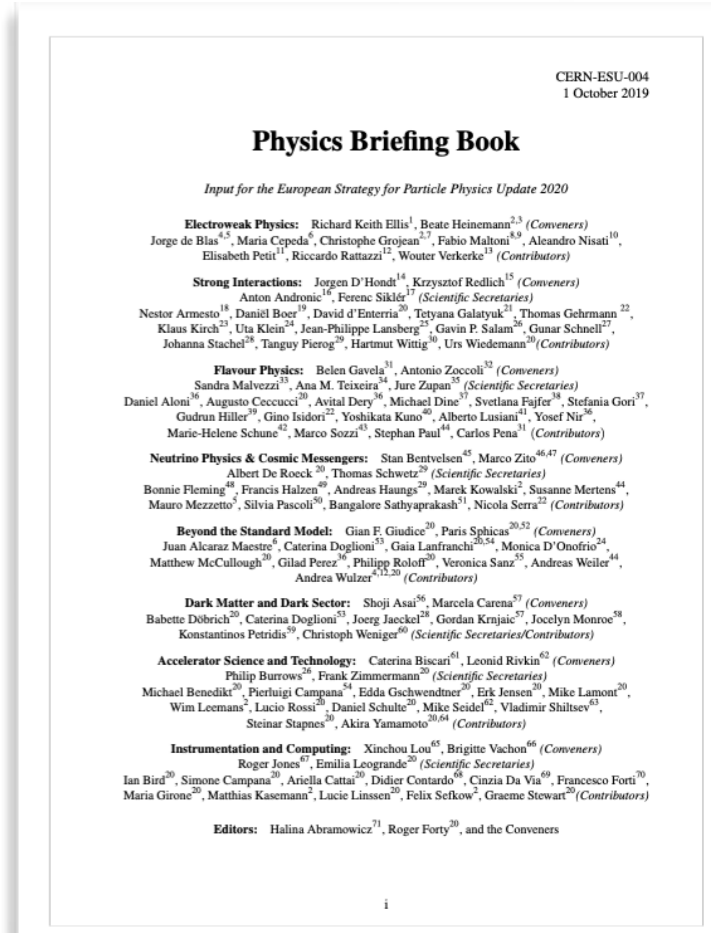
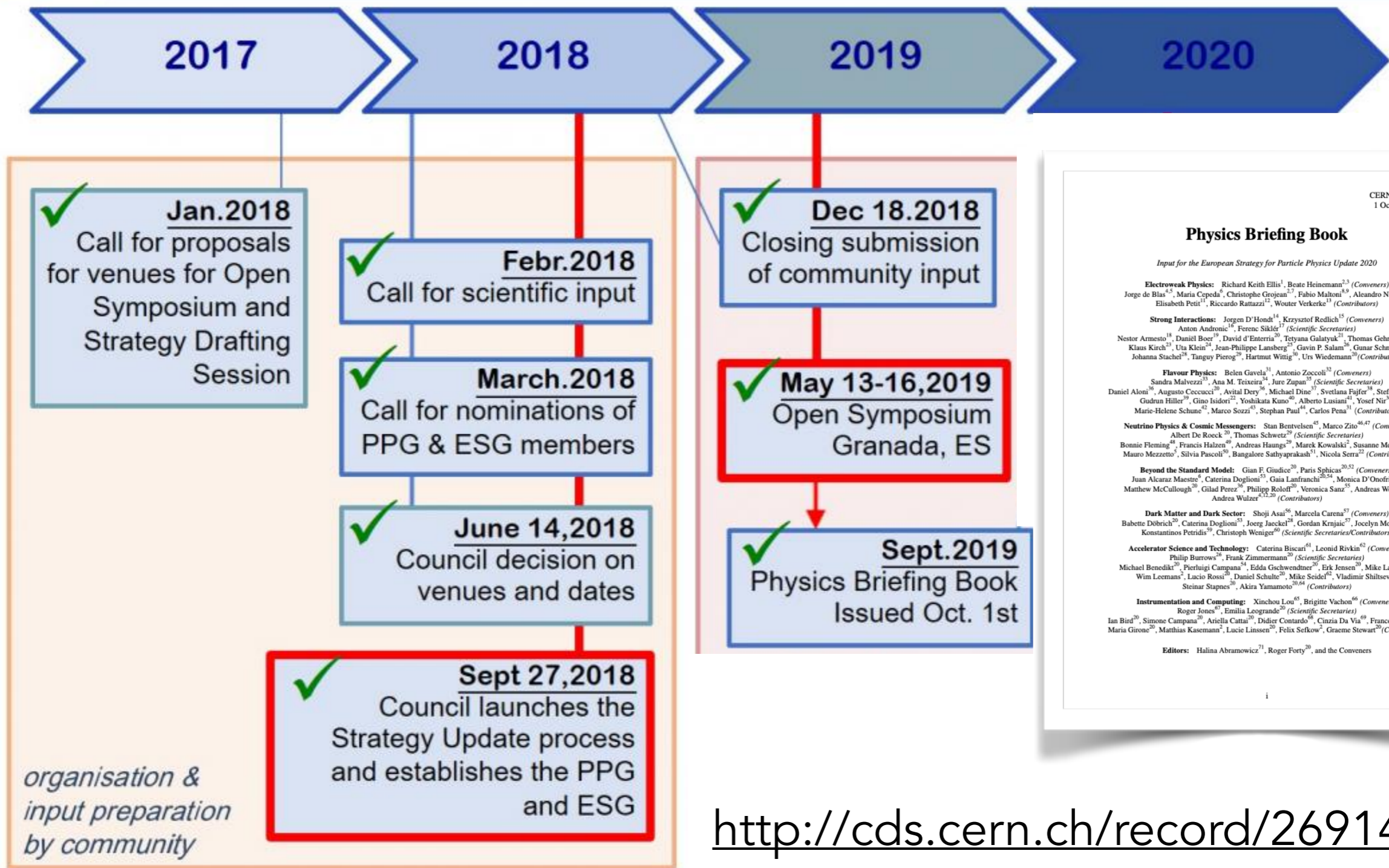
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<http://cafpe.ugr.es/eppsu2019>

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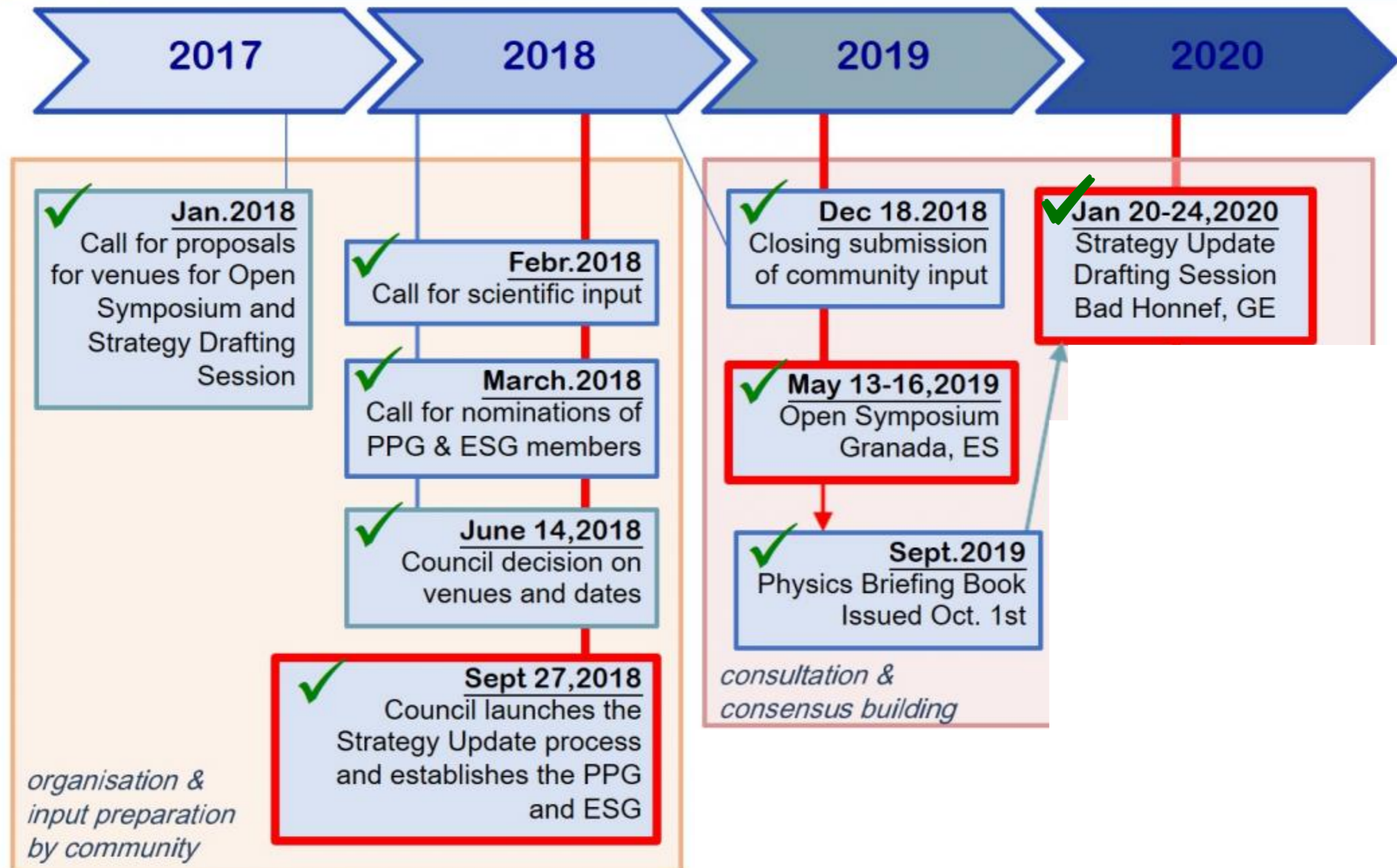
EPPSU 2020 timeline



<http://cds.cern.ch/record/2691414>

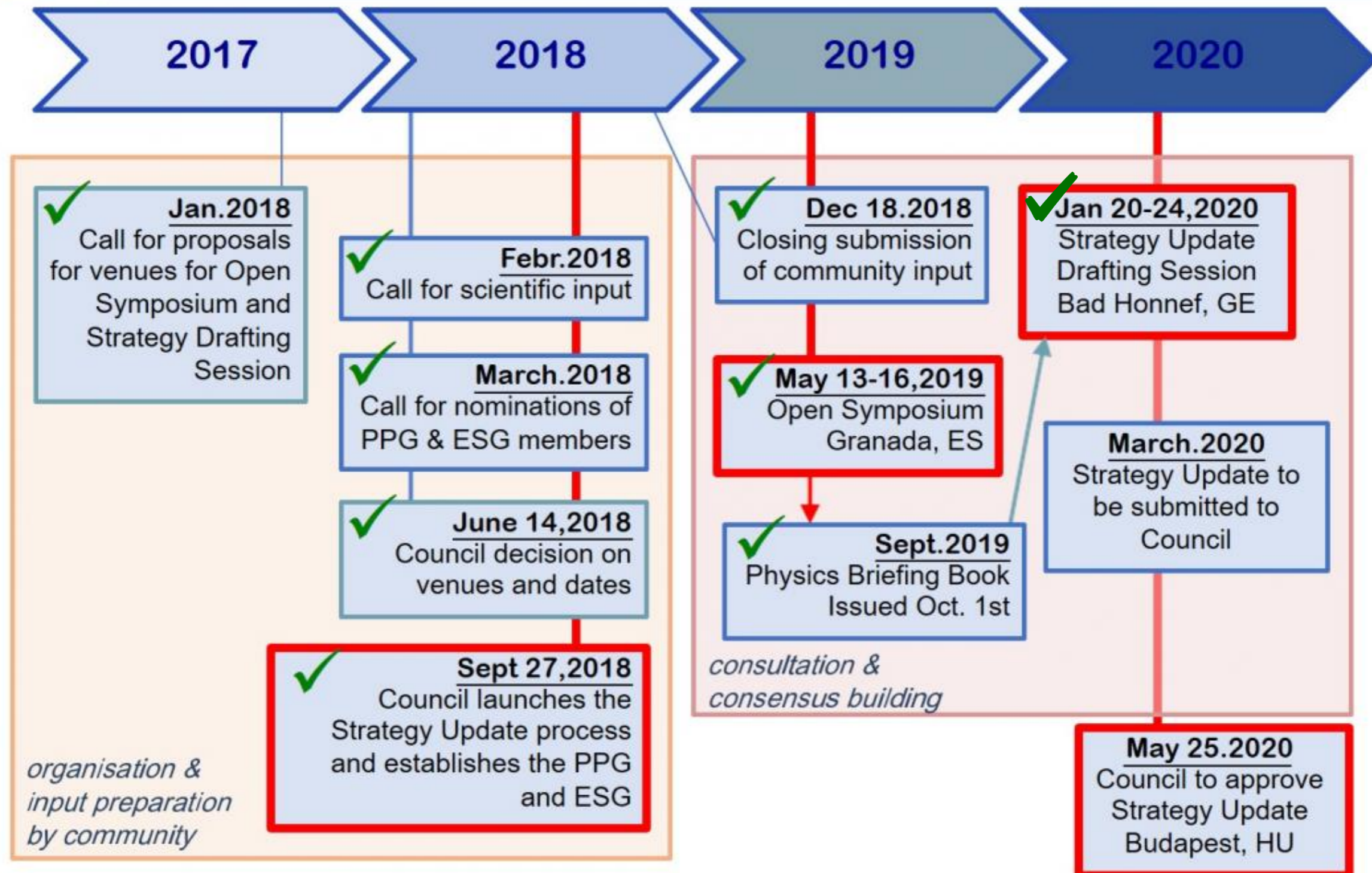
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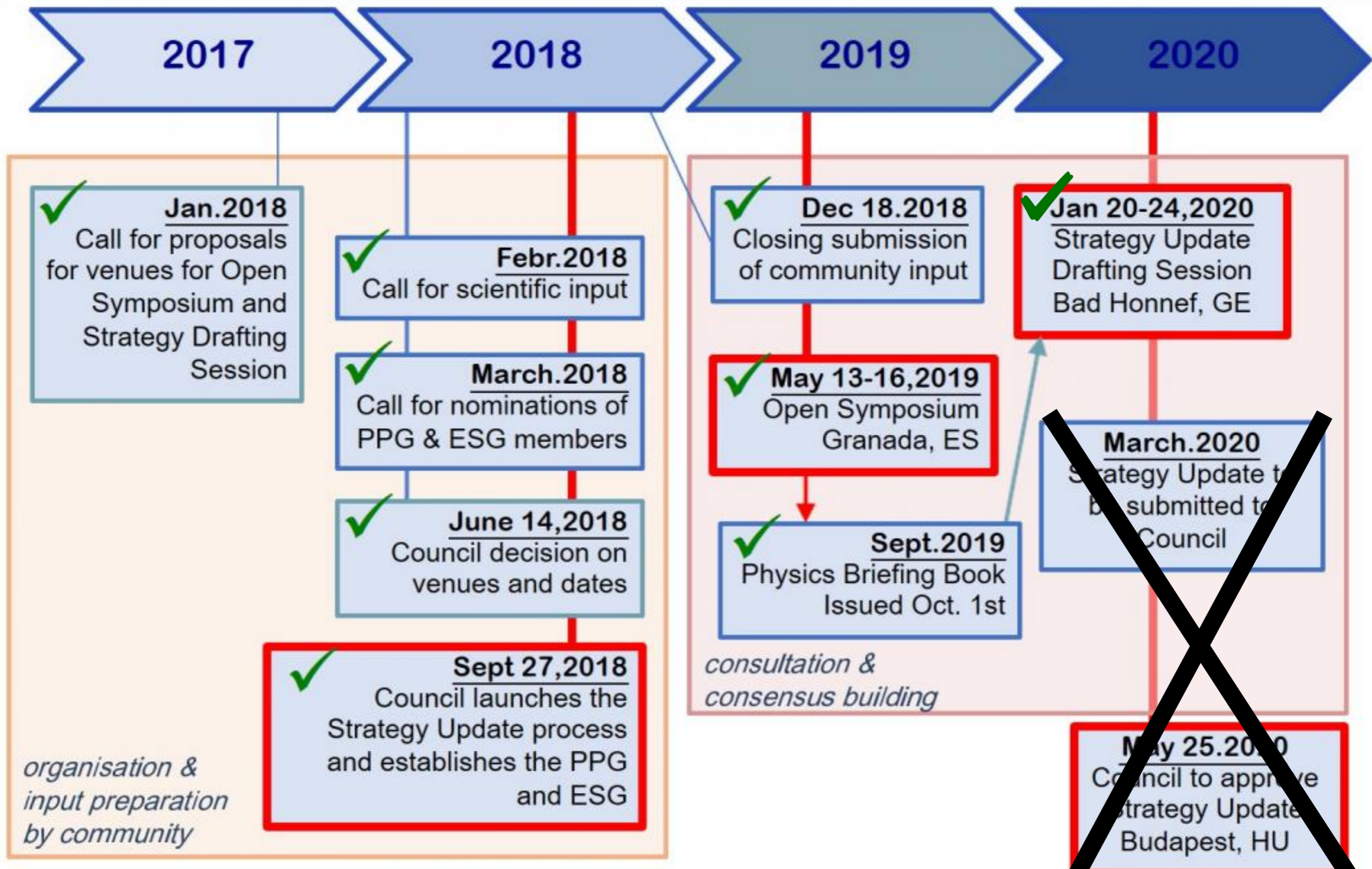
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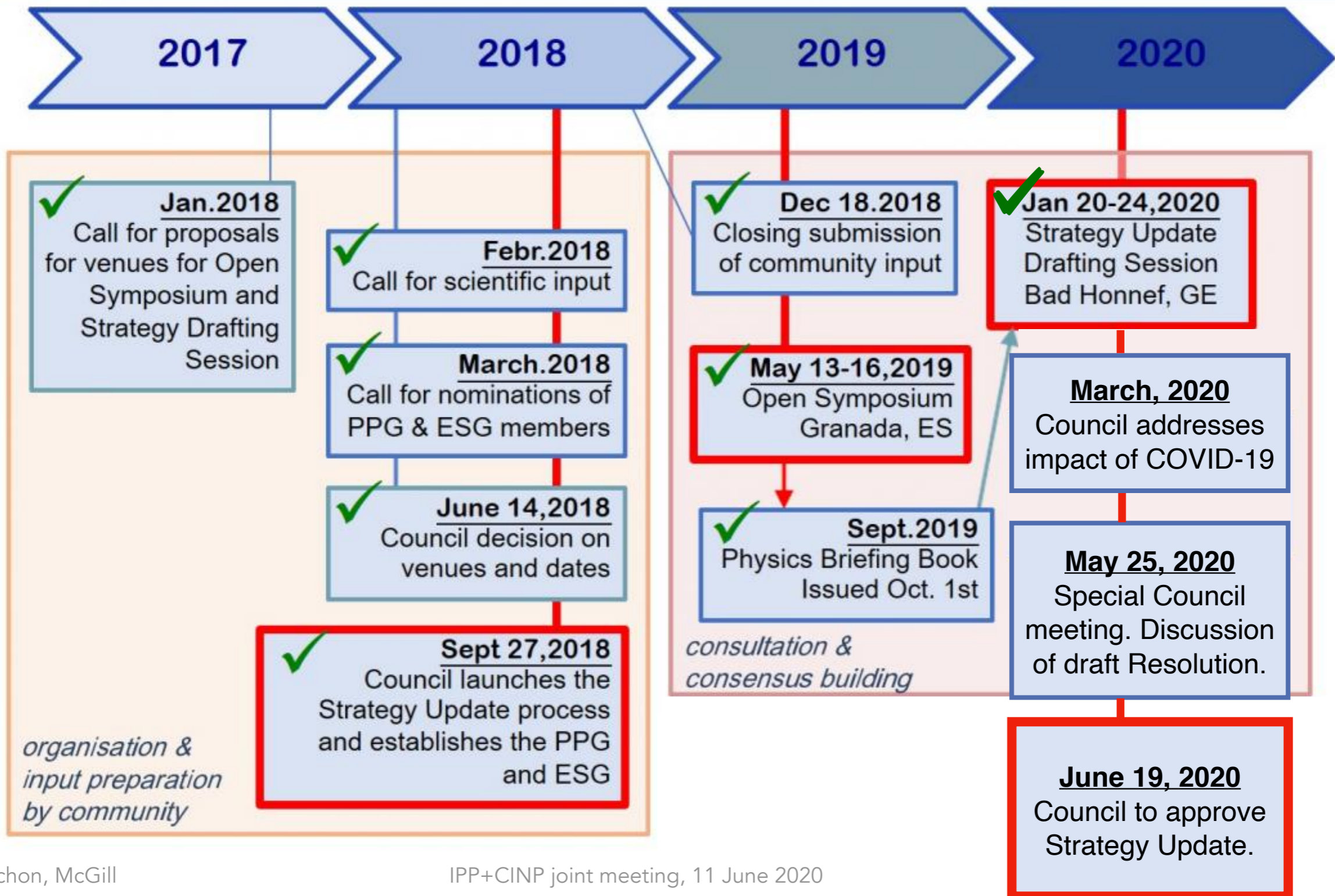
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- EPPSU 2013 “high-priority large-scale projects”
 - Top priority should be the exploitation of the full potential of the LHC, including the HL-LHC upgrade.
 - CERN should undertake design studies for accelerator projects in a global context, with emphasis on proton-proton and electron-positron high-energy frontier machines.
 - The initiative from the Japanese particle physics community to host the ILC in Japan is most welcome... Europe looks forward to a proposal from Japan to discuss a possible participation.
 - CERN should develop a neutrino programme to pave the way for a substantial European role in future long-baseline experiments.
- EPPSU 2020:
 - What is the best implementation for a Higgs factory?
 - Path towards the highest energies: how to achieve the ultimate performance?
 - How to achieve proper complementarity for the high intensity frontier vs. the high-energy frontier?

Stay tune next week for possible public release of Strategy.