



KET JV 2019

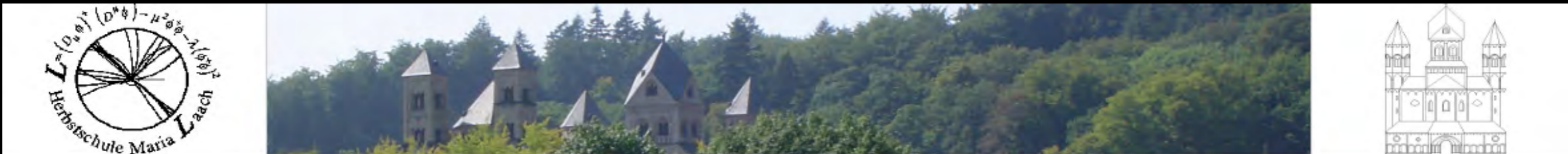
Reports on:



– CERN Council News



– Maria Laach School News





CERN Council News

- Council President: Ursula Bassler (IN2P3)
 - German delegates: Volkmar Dietz (BMBF), S. Bethke (MPP)
-
- reports (president, directors, SPC, FC, AC, ...),
 - finances, progress review, personnel, pension fund, ...
-
- today: some details on
- decisions, elections and other activities
 - science gateway project
 - CERN finances (2020 budget)



CERN Council News

Election of next Director General (2021-2025):
Fabiola Gianotti (CERN)





CERN Council News

member state matters:

member states (23):

Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Italy, Netherlands, Norway, Poland, Portugal, Romania, **Serbia**, Slovakia, Spain, Sweden, Switzerland, United Kingdom, Israel

associate members:

Cyprus*, India, Pakistan, Slovenia*, Turkey, Ukraine, Lithuania

*in pre-stage to m.s.

applicants for associate m.:

Brazil, Croatia,

expression of interest:

Estonia, Ireland, Latvia,

contacts for associate m.s.:

Australia, Bangladesh, Canada; **Russian Federation (-> full membership?)**

observer status:

JINR, Russia, USA, Japan, UNESCO, EU

~50 ICA (International Cooperation Agreements):



CERN Council News

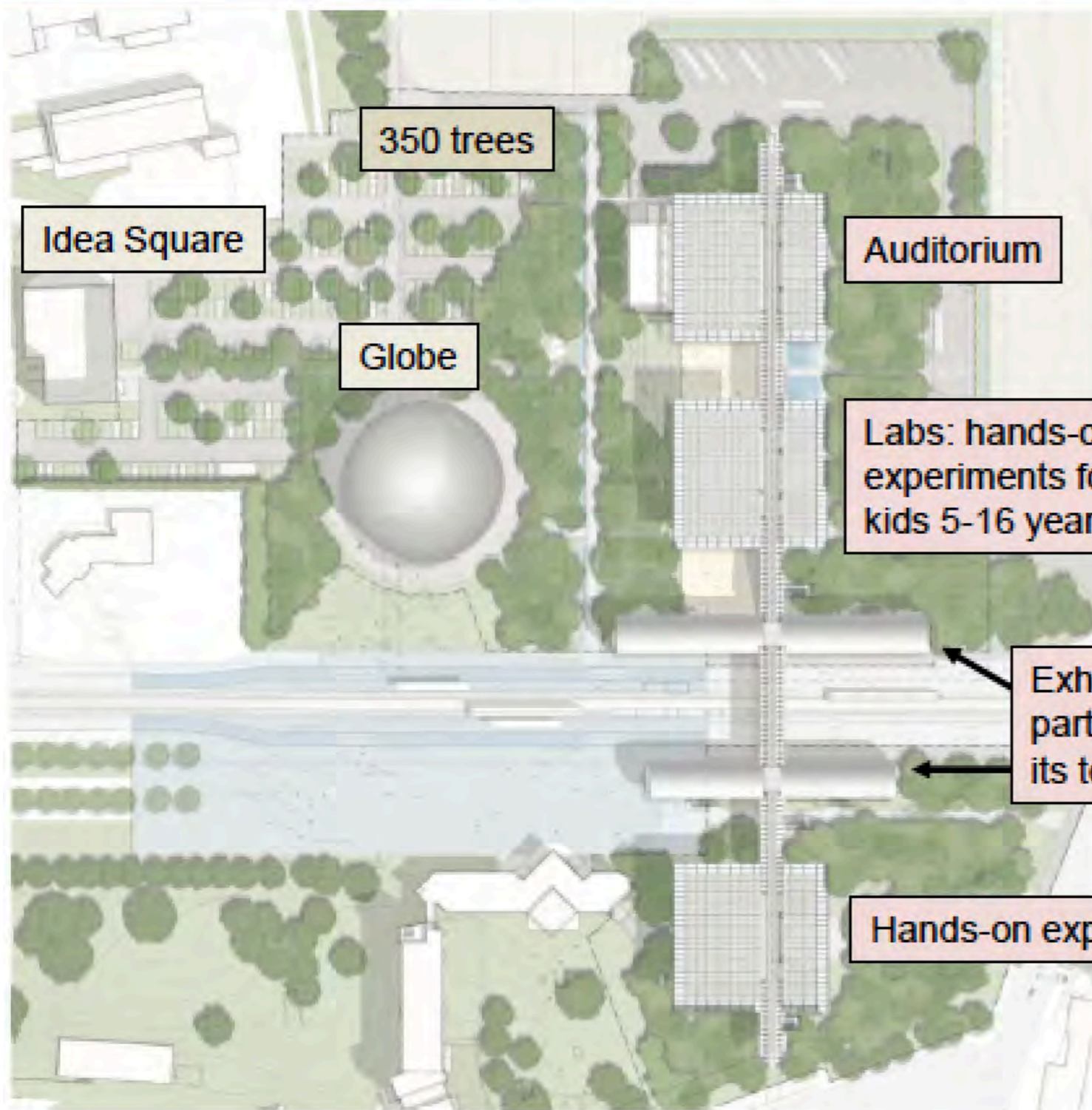
Council discussed scenarios for a reinforced [site maintenance and consolidation programme](#)

The Council approved the overall strategy for the reference period 2020-2024. and also approved the [2020 Draft Budget](#) in 2019

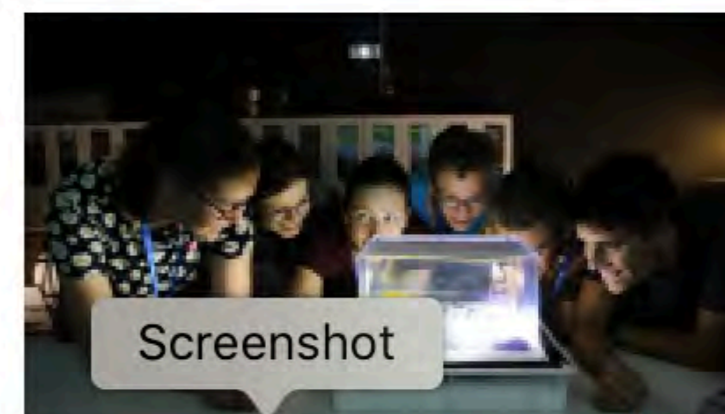
Professor Leonid [Rivkin](#) (CH) [Chair](#) of the Scientific Policy Committee (from 1.1.2020)

The Council elected Professor J. [Schieck](#) (Austria) [Vice-President of the Council](#) for a first term of office of one year, with effect from 1 July 2019.

The Science Gateway "campus"



Total cost: **79 M**
(65 M building + 14 M content).
It will be realised entirely with external donations.



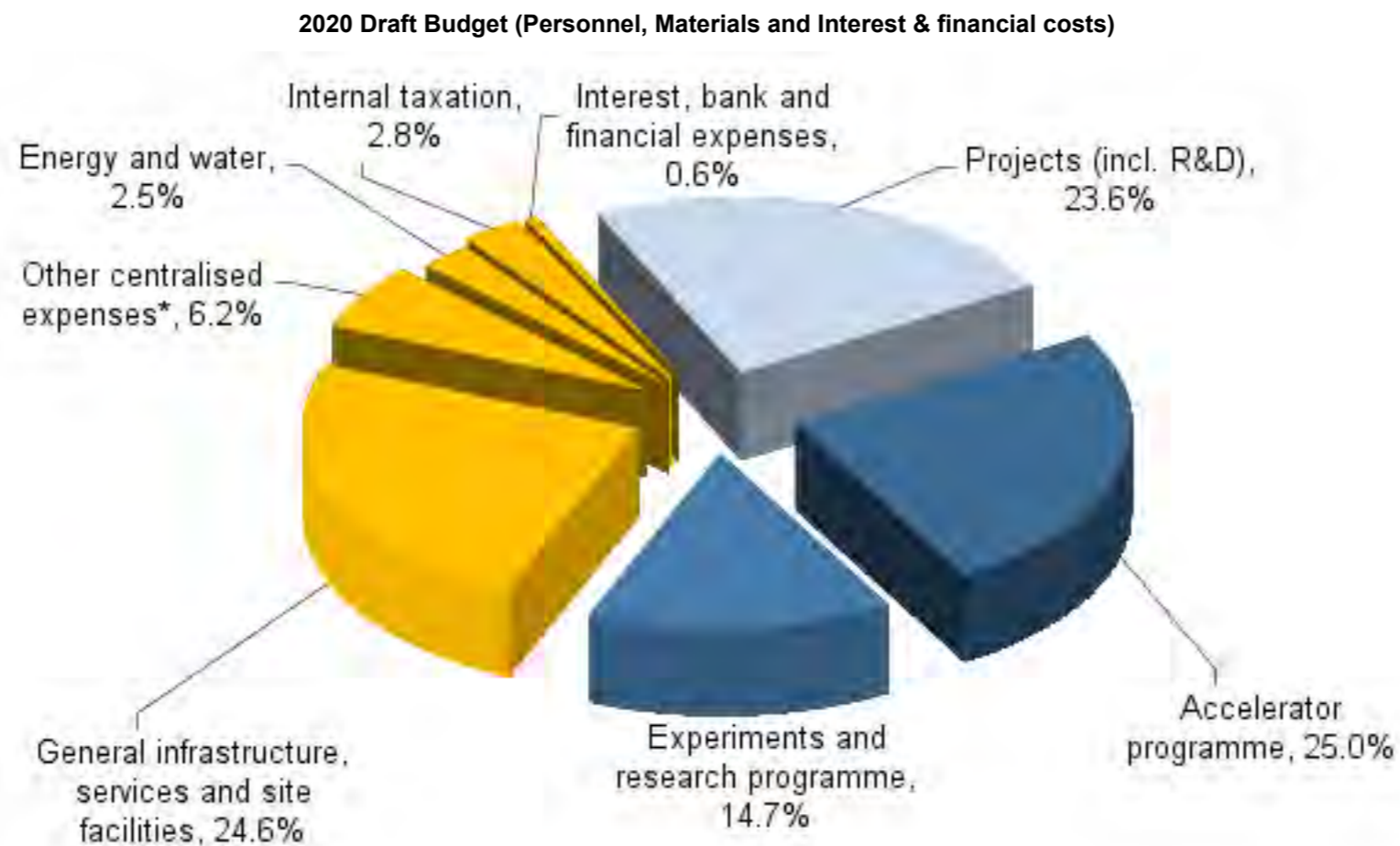
Construction starts mid 2020 → inauguration at the end of 2022

CERN budget 2020

2020 draft budget; revenues (MCHF): 1.324,6

2020 draft budget; expenses (MCHF): 1.278,4

German contribution: 20.8% (next: GB with 15.8%)

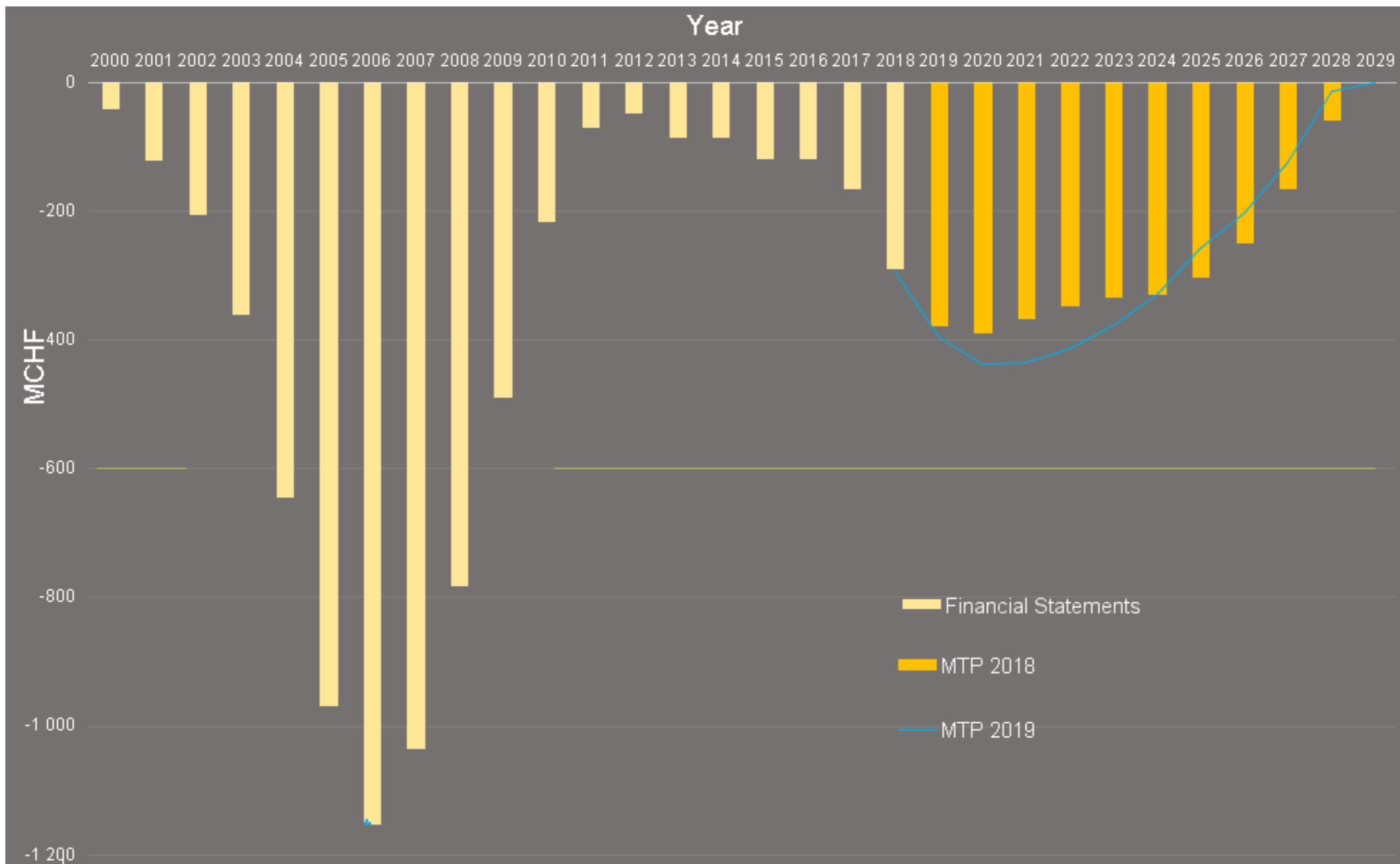


CERN budget 2020

Figure 8: Overview of Expenses

(in MCHF, 2019 prices, rounded off)	Revised 2019 Budget	2020 Draft Budget	Variation of 2020 Draft Budget with respect to Revised 2019 Budget
EXPENSES	1 343.5	1 278.4	-4.85 %
Running of scientific programmes and support	1 017.7	976.5	-4.05 %
Scientific programmes	564.0	508.7	-9.82 %
<i>Accelerator programme</i>	<i>370.9</i>	<i>320.1</i>	<i>-13.69 %</i>
<i>Experiments and research programme</i>	<i>193.1</i>	<i>188.5</i>	<i>-2.37 %</i>
Infrastructure and services	453.7	467.9	3.12 %
<i>General infrastructure and services (incl. admin, external relations, safety)</i>	<i>242.0</i>	<i>250.9</i>	<i>3.65 %</i>
<i>Site facilities (incl. infrastructure consolidation, buildings and renovation)</i>	<i>60.0</i>	<i>62.8</i>	<i>4.82 %</i>
Centralised expenses	151.7	154.2	1.60 %
<i>Centralised personnel expenses</i>	<i>36.4</i>	<i>36.3</i>	<i>-0.06 %</i>
<i>Internal taxation</i>	<i>35.2</i>	<i>35.2</i>	<i>-0.10 %</i>
<i>Internal mobility, personnel on detachment or paid from team accounts</i>	<i>14.3</i>	<i>11.6</i>	<i>-19.01 %</i>
<i>Energy and water, insurance and postal charges, miscellaneous</i>	<i>55.7</i>	<i>61.9</i>	<i>11.10 %</i>
<i>Interest, bank and financial expenses, in-kind ¹</i>	<i>10.1</i>	<i>9.2</i>	<i>-9.53 %</i>
Scientific projects	325.8	301.9	-7.34 %
LHC upgrades	262.6	232.2	-11.57 %
<i>LHC injectors upgrade (LIU)</i>	<i>61.6</i>	<i>32.5</i>	<i>-47.17 %</i>
<i>HL-LHC upgrade</i>	<i>148.2</i>	<i>151.1</i>	<i>1.94 %</i>
<i>LHC detectors upgrades (Phase I) and consolidation</i>	<i>27.0</i>	<i>25.0</i>	<i>-7.35 %</i>
<i>LHC detectors upgrades (Phase II) and R&D</i>	<i>25.8</i>	<i>23.6</i>	<i>-8.54 %</i>
Energy frontier studies	30.2	23.6	-21.81 %
<i>Linear collider (CLIC, ILC)</i>	<i>15.1</i>		<i>-100.00 %</i>
<i>Future Circular Collider</i>	<i>15.2</i>		<i>-100.00 %</i>
<i>High-energy frontier</i>		<i>23.6</i>	
Accelerator technologies and R&D	15.7	14.0	-11.08 %
R&D for future detectors		12.1	
Scientific diversity projects	17.2	19.9	15.73 %
<i>Neutrino Platform</i>	<i>9.4</i>	<i>14.0</i>	<i>48.99 %</i>
<i>Physics Beyond Colliders</i>	<i>2.8</i>	<i>0.5</i>	<i>-83.66 %</i>
<i>EU supported computing R&D, support to external facilities</i>	<i>5.0</i>	<i>5.5</i>	<i>9.97 %</i>
BALANCE			
Annual balance	-15.9	46.2	
Capital repayment allocated to the budget (Fortis, FIPOI 1, 2 and 3)	-27.7	-28.6	
Recapitalisation Pension Fund	-60.0	-60.0	
Annual balance allocated to budget deficit	-103.6	-42.3	
-Cumulative balance ²	-293.2	-439.2	

CERN budget (cumulative balance)





51. Herbstschule für Teilchenphysik, Maria Laach 2019

Vorlesungen		
Experimentelle Resultate der Quark Flavourphysik	Johannes Albrecht	TU Dortmund
Präzisionstest des Standardmodells bei niedrigen Energien	Klaus Blaum	MPI für Kernphysik Heidelberg
Experimentelle Resultate des LHC	Sarah Heim	DESY Hamburg
Standard Model precision physics	Eric Laenen	NIKHEF Amsterdam
Nonpert. quantum gravity for beginners	Renate Loll	U Nijmegen
Detektoren für nicht-Beschleunigerbasierte Teilchenphysik	Bela Majorovits	MPI für Physik, München
Physics beyond the Standard Model	Michael Trott	NBI Copenhagen



51. Herbstschule für Teilchenphysik, Maria Laach 2019

Abendvorträge

Gefangen auf Ewigkeit – Das kosmische Antimaterie-Rätsel	Klaus Blaum	MPI Heidelberg
Geologie der Vulkaneifel	Siggi Bethke	MPI für Physik, München
Gottes Sprache in Naturwissenschaft und Glaube	Bruder Simeon	Kloster Maria Laach
Gibt es bewohnbare Planeten? Und wie kommen wir dort hin?	Markus Kissler-Patig	European Space Astronomy Centre

~~Ver~~Einladung der 3 Kandidaten
für den neuen CERN GD
(closed-circle Gespräche, mit BMBF)



51. Herbstschule für Teilchenphysik, Maria Laach 2019

late-breaking news:

Teilnehmerinnen sind nun auch im Refektorium
und am Badesteg willkommen!





51. Herbstschule für Teilchenphysik, Maria Laach 2019

Bitte um ein Meinungsbild:

sollen wir Englisch als Schulsprache zulassen?

bisher: Teilnehmer sollen Deutsch verstehen und sprechen können -> Kommunikation mit unseren Gastgebern!

Vorlesungen waren deutsch oder englisch;
Übungsgruppen und Eigenvorträge
bevorzugt deutsch)



51. Herbstschule für Hochenergiephysik, Maria Laach, 3.-13.9.2019