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ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE  
**CERN** EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

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*Action to be taken*

*Voting Procedure*

For information	<b>COUNCIL</b> 168 <sup>th</sup> Session <b>19 September 2013</b>	-
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**CERN 60<sup>TH</sup> ANNIVERSARY**  
**(STATUS REPORT)**

## **INTRODUCTION**

CERN's 60<sup>th</sup> Anniversary falls on 29 September 2014, the day when the CERN Convention was put into force. An event of this importance requires careful forward planning. The Director General therefore appointed a project leader in summer 2013 with the task of preparing a concept for the celebrations and events for presentation to Council at its September 2013 session. This paper is intended to initiate a process of close consultation for the definition, coordination, and organisation of the events. It presents the outcome of a first planning phase: the collection of ideas, formulation of concepts and the establishment of an internal organizational structure. The project leader has formed a steering committee, as well as a small working group to prepare and implement the celebrations and events. This paper also serves as a progress report, listing the decisions that have been made and giving a broad outline of the ideas that have emerged.

## **CONCEPT**

The celebration of CERN's 60<sup>th</sup> anniversary should have clearly defined communication goals, built around the following key messages:

- 60 years of Science for Peace
- Scientific Discoveries and the way ahead
- International Cooperation – Science as a motor for international dialogue
- 60 years of progress in Science and Technology
- Science Education – modern science for everyone

From this list, the first item is proposed as the overall theme for the anniversary:

“60 Years of Science for Peace”

Activities will span the whole of 2014 with events at historically significant places, at the site of the Organization's Laboratory, and in the Organization's Member States.

## **SEQUENCE OF EVENTS**

Whereas a significant number of the proposed events will be distributed throughout the year, three milestone events will be the focal points for official celebrations. The definitive places and dates are subject to negotiation.

### Milestone Events

#### 1. An opening event at UNESCO in Paris on 1 July

On 1 July 1953, the CERN Convention was signed, subject to ratification, at the conclusion of the Sixth Session of the CERN Council at UNESCO's headquarters in Paris. This opening event will mark that occasion with a ceremony at UNESCO attended by the CERN Council, the highest-level representatives of the two Organizations, and invited guests including of CERN's founding fathers, François de Rose. Initial discussions with UNESCO have taken place and there is a very positive and collaborative attitude towards this event. The major particle physics conference of 2014, ICHEP, also begins in Valencia on 2 July, raising the possibility of arranging a video link between Paris and Valencia.

## 2. An official ceremony at CERN on 29 September

This day marks the anniversary: the day that CERN officially came into being after ratification of the Convention. A celebration similar to the inauguration of LHC in 2008 is proposed, in the presence of the highest representatives of the CERN Member States and representatives of the communities and authorities of the countries participating in the Organization's scientific endeavours.

## 3. A Presentation to the General Assembly of the United Nations in Autumn

CERN, as an Observer to the General Assembly of the United Nations, has the right to address the Assembly. At the occasion of a high-level meeting in the framework of the General Assembly, the CERN Director General could make a presentation on the subject "Science for Peace". This could be accompanied by an exhibition of CERN's achievements at UN Headquarters in New York.

Of this list, the first two events mark the significant milestones in the history of CERN's making. The third one would be an event that marks one of the results of CERN's work over six decades apart from the scientific output.

Further events and activities designed to mark the anniversary throughout CERN's Member States are proposed below.

### Celebratory Events

The events listed in this section are proposed to bring the celebration into CERN's Member States, to showcase the strong ties the Organization has with national scientific communities, and to present CERN's work and achievements to the general public.

Ideally, there will be at least one anniversary event in each of CERN's Member States, possibly linked to existing science exhibitions, festivals or events (*cf. Annex 2*). Dedicated exhibitions are already in preparation in several Member States and CERN schools will take place in two Member States.

Associate Member States are also invited to celebrate the anniversary. The same applies to non-Member States with a significant scientific community and interest in basic research.

Recognising the importance of strong community relations, a series of neighbourhood events will be planned for the CERN Laboratory's local area. These will be organised together with the communities around the laboratory.

Within CERN, the anniversary will be punctuated by a series of historical, scientific, and technological colloquia (*cf. Annex 3*), culminating in a birthday colloquium near to the official birthday, followed by a modest reception for the CERN population.

### Other Activities and Events

The following initiatives are currently under consideration. The list is not exhaustive and sorted by type and location.

#### **Events at CERN**

##### A Beamline for Schools

In 2014, a new educational concept, a beamline for school use, will be tested. This forms part of an increasing commitment to secondary education, which also includes the S'CoolLab being installed in the Microcosm exhibition (see below).

##### S'CoolLab

In 2014, CERN's School Lab – S'CoolLab - will be inaugurated and add significantly to CERN's educational offer. It is being finalized thanks to a donation from the Loterie Romande.

### SynchroCyclotron

In 2014, the historical visits site of CERN's first accelerator will be inaugurated.

### TEDxCERN<sup>1</sup>

CERN's first TEDx event in May 2013 was a great success, with a capacity for local audience, a substantial webcast audience and impressive viewing figures for the talks and animations that were shown at the event. The five TEDEd<sup>1</sup> animations have received in excess of half a million views, for example. CERN holds a license for another TEDx event in November 2014.

## **Events in the neighbouring Regions of France and Switzerland**

### CERN-related Film Screenings in regional Cinemas

A number of films have been made about CERN, particle physics and CERN personnel. These range from films featuring CERN founding father, Lew Kowarsky, to documentaries such as 'The Geneva Event', which tells the story of the discovery of W and Z particles, and Hollywood blockbusters such as Angels & Demons. This could constitute a season of screenings in cooperation with cinemas local to CERN or further afield.

## **Events without specified Location**

### Educational Events

Through the long history of educational events and schools at CERN, strong ties to educational institutions and teachers in many states are well established. CERN's anniversary would be a good opportunity to launch co-organised educational events outside Geneva, and to promote the successful primary initiative, Dans la Peau d'un Chercheur, beyond the Geneva region.

### FameLab

Launched in 2005 by the Cheltenham science festival to identify and train young scientists with good communication skills, the annual FameLab ([www.famelab.org](http://www.famelab.org)) competition has since spread to over 20 countries. For the last two years, CERN has hosted a Swiss heat, and the organizers are keen to work with CERN in the anniversary year to organize a FameLab Particle Physics competition in CERN Member States, or as a one-off linked to an event such as the ICHEP conference. The feasibility of this initiative is under investigation.

### Arts Events

With the recent establishment of a cultural board and launch of the Collide@CERN arts residency programme, CERN's engagement with the arts has grown. It is therefore natural to link CERN related arts to the anniversary.

## **Miscellaneous Activities**

### CERN Historical Documentary Film

Many broadcasters, notably Radio Télévision Suisse (RTS), have a substantial archive of CERN footage, as does CERN itself. This could be used to produce a documentary film tracing the history of CERN, as was done for the 50<sup>th</sup> anniversary in 2004.

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<sup>1</sup> "Created in the spirit of TED's mission, "ideas worth spreading," the TEDx program is designed to give communities, organizations and individuals the opportunity to stimulate dialogue through TED-like experiences at the local level. TEDx events are fully planned and coordinated independently, on a community-by-community basis." See [www.ted.com/tedx](http://www.ted.com/tedx) and <http://www.ted.com/tedx/events/7820>.

### Publications

The CERN Courier plans several features on CERN's history and historical figures and milestones. Furthermore, a yellow report summarising CERN's achievements since the 50<sup>th</sup> anniversary, when a volume dedicated to CERN's first 50 years was published, would mark the event appropriately.

### Stamps

The EPPCN network has investigated the possibility of commemorative stamps in Member States. Unfortunately, the approval procedure for special-issue stamps is long in many countries, and EPPCN's enquiries were too late in most cases. There will, however, be commemorative stamps in Austria and Spain. A Swiss stamp is still under consideration.

## **ORGANISATION**

The celebration of the anniversary is an event for CERN Council and the Laboratory. The range and complexity of the activities proposed in this document necessitate a strong organizational structure, outlined below.

CERN is not in a position to organize events in all Member States. The approach is therefore for a central organizing team at CERN to take full responsibility for the milestone events and the events in Geneva, while playing a supporting role to events in Member States and beyond.

### Stakeholders

For the organisation of events outside the local area, the main stakeholders are:

- UNESCO for the celebration in July;
- UNHQ for the exhibition and speech at the General Assembly;
- CERN Council delegations for the official celebrations in the Member States supported by EPPCN and IPPOG.

## **BUDGET**

At this point in time, no budget estimates can be given. It is clear, however, that resources will be required for the milestone events and events at CERN. For the events in the Member States and beyond, CERN proposes to provide designs and content for exhibitions, for example, rather than complete exhibitions, which would be prohibitively expensive.

Following coordination with the stakeholders, a budget estimate will be given at the December session of Council.

### Sponsorship

The nature of the proposal above allows opportunities for sponsorship to be sought for many of the events, either collectively or individually. Options for seeking official supporters, such as an airline or hotel chain, for the anniversary are being considered.

## **ANNEX 1 – OTHER RELEVANT ANNIVERSARIES IN 2014/15**

The following anniversaries have a connection with CERN and its activities. Synergies and cooperation possibilities will be investigated.

- WWW – The World Wide Web, 25 years in 2014
- Nobel Prize for Rubbia and Van der Meer, 30 years in 2014
- ESRO – European Space Research Organisation<sup>2</sup>, 50 years in 2014
- ICTP – The Abdus Salam International Centre for Theoretical Physics, 50 years in 2014

For information, other anniversaries with connection to CERN's activities are listed below.

- J/ $\psi$  Discovery, 40 years in 2014
- Initial publications on spontaneous symmetry breaking, 50 years in 2014
- Initial publications about quarks by Gell-Mann and Zweig, 50 years in 2014
- ScNAT – The Swiss Academy of Sciences, 200 years in 2015
- Albert Einstein's 135<sup>th</sup> birthday in 2014
- Galileo Galilei's 450<sup>th</sup> birthday in 2014

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<sup>2</sup> ESRO was merged with ELDO, the European Launcher Development Organisation, to form ESA, the European Space Agency, in 1975.

## **ANNEX 2 – CERN-RELATED EVENTS ABROAD 2014**

### **MEMBER STATES**

AT – A series of exhibitions

CH – CERN Accelerator School

CZ – CERN Accelerator School

ES – ICHEP 2014

GR – Two confirmed exhibitions at Athens and Thessaloniki

NL – European School of High Energy Physics

PT – CERN School of Computing

### **NON-MEMBER STATES**

IN – Asia-Europe-Pacific School of High Energy Physics

### **ANNEX 3 – COLLOQUIA IN CELEBRATION OF CERN'S ANNIVERSARY**

The series of colloquia will be held at CERN during normal working hours. A selection of these colloquia is of interest for a more general audience and may be repeated or given in an adapted format in the Globe of Science and Innovation.

#### Historical Series

In this series, the aim is to have personalities from the different decades present their life and work at CERN, along with their view of the science and achievements from their decade. The names proposed below are the result of an initial brainstorming, and illustrate that CERN still has personalities from all decades of its history. Not all of them have been contacted so far. Naturally, the closer we come to the present, the more personalities may be available.

1949-1954	The Founding Years	
1954-1964	The SC and the PS	Maria and Giuseppe Fidecaro
1964-1974	ISR	Leslie Camilleri, Pierre Darriulat
1974-1984	SPS	Carlo Rubbia
1984-1994	LEP I	Herwig Schopper
1994-2004	LEP II	Steve Myers, Dieter Schlatter
2004-2014	LHC	Lyn Evans, Peter Jenni

#### Scientific, Technological, and Social Series

Apart from the six historical colloquia, an organization like CERN needs to present the milestones of its history. This list of possible colloquia is again not exhaustive and additional proposals are welcome:

- Accelerator Technologies;
- Detector Technologies;
- Information Technology;
- Medical Applications;
- Science and Society;
- The World Wide Web;
- Arts and Science.