THE UNITED NATIONS COMMISSION ON SCIENCE AND TECHNOLOGY FOR DEVELOPMENT

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Item 3: Science and technology for development 6 May 2015

Contribution by

CERN

CERN's involvement in and views on the post-2015 Development Agenda

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The views presented here are the contributor's and do not necessarily reflect the views and the position of the United Nations or the United Nations Conference on Trade and Development



CERN's involvement in and views on the post-2015 Development Agenda

United Nation's Commission on Science and Technology for Development Eighteen session, Geneva 4-8 May 2015

Maurizio Bona Advisor to the Director General, in charge of relations with international Organizations



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CERN and the post-2015 Development Agenda

Outline

- CERN and its contribution to the post-2015 process
- Contribution to Data Revolution
- The two priority themes: strategic foresight and digital development
- Some elements of reflection



CERN: founded in 1954: 12 European States "Science for Peace" Today: 21 Member States

~ 2300 staff
~ 1300 other paid personnel
~ 11500 scientific users
Budget (2015) ~1000 MCHF

Member States: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Netherlands, Norway, Poland, Portugal, Slovak Republic, Spain, Sweden, Switzerland and United Kingdom

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ATLA

States in accession to Membership: Romania, Serbia Applications for Membership or Associate Membership: Brazil, Croatia, Cyprus, Pakistan, Russia, Slovenia, Turkey, Ukraine Observers to Council: India, Japan, Russia, Turkey, United States of America; European Union, JINR and UNESCO

CERN Teacher Programme



CERM

CERN Teacher Programme



Summer Students 2014

CERN



CERN and its contribution to the post-2015 process

- Observer status in Dec 2012; present in SAB to the SG
- Participated to several UN meetings, including ECOSOC
- Main contributions: OWG in Dec 2013; HLPF in July 2014
- Input 1: need to finance scientific research and STEM education
- Input 2: need to finance basic research as well



CERN's Contribution to Data Revolution

- CERN has developed knowledge and expertise in the areas of big data, open access (incl. data), ICT capacity & cost-effectiveness
- We are developing models of public-private clouds
- CERN believes it can help UN's Data Revolution initiatives in terms of knowledge & technology, possibly leading to time and money saving
- We offered to support the UN's action, both on strategy and implementation, by making our expertise (and part of our infrastructure) available
- Presentation at the HLCM of the CEB meeting on 20 March 2015, Paris



The two priority themes: strategic foresight and digital development

- Report of the SG on: strategic foresight for the post-2015 Dev. Agenda
- Report of the SG on: Digital Development

Overal impression: these are two excellent reports, very complete

but

is there something else to address?



"Information is not knowledge"

(A. Einstein)



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- Science and technology are essential for the progress of the society
- In the present debate on post-2015 science as well as STEM education are not addressed as they should deserve
- Often technology transfer is not associate to knowledge transfer
- "Disruptive improvements" provide the most significant jumps to society
- Real "disruptive improvements" can hardly be planned









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Elements that can help achieving planned improvements in scientific and technological areas, while increasing chances to obtain "disruptive improvements" are:

Education (in particular STEM education)

Education

Education



"Education is the most powerful weapon which you can use to change the world "

(N. Mandela)



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Chank You!



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