

From Today's Crisis : A path to Hope



Fondation "Partager le Savoir"
Sharing Knowledge Foundation

"Sharing Knowledge 8" Rabat 9-12 May 2013

Robert Klapisch

History of Conferences and Workshops



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An international network of 500 attendees from 45 countries



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Cameroon
Congo-Brazzaville
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Palestine
Qatar
Romania
Senegal
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Sweden
Switzerland
Tunisia
Turkey
UK
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USA



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Statements of the Foundation



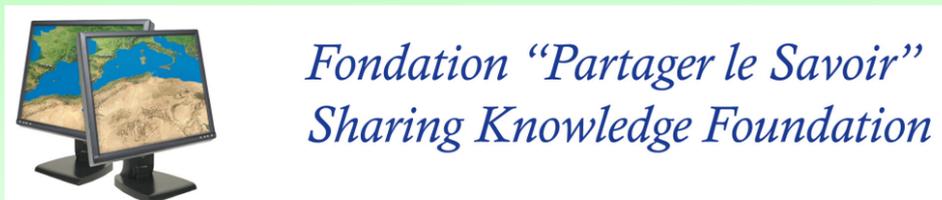
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Statements of the Foundation

- Considering that:
 - Science is a universal language, common to all, irrespective of their political, philosophical or religious beliefs.
 - The development of Science now mandates worldwide collaborations in order to cope with changes (climate, health hazards, etc..) which have themselves become worldwide and also with an ever more costly mobilization of resources.
 - Progress in scientific knowledge cannot sustainably be borne only by developed countries. Partnerships should be set-up in order to educate elites that will allow, in time, less advanced countries to play their roles in furthering scientific knowledge.



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Statements of the Foundation (ctd.)



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Statements of the Foundation (ctd.)

- The Foundation sets itself the following goals:
 - To encourage a dialogue between scientists, coming from advanced and from emerging countries.
 - To build a network from within the Civil Society dedicated to realizing concrete projects contributing to a sustainable development and to reducing inequalities and imbalances between nations.
 - To organize for that purpose multidisciplinary conferences (following the model of the "Sharing Knowledge" meetings of which the Founder has been the initiator), in order to tackle on a recurring basis:
 - The satisfaction of basic needs (water, energy, food).
 - Access to the digital civilization and to fundamental science.
 - Timely topics such as the prevention of catastrophes whether natural or man-made.



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Who we are: the Foundation Council

Present at this meeting

Pascal Colombani

John Ellis

Abdeslam Hoummada

Jean-Louis Lacombe

Ronert Klapisch



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Scientific Advisory Council



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Scientific Advisory Council

Participating to the meeting

Miriam Balaban

Moncef Cheikh-Rouhou

Pascal Colombani

John Ellis

Lionel Gbaguidi

Dominique Gentile

Abdeslam Hoummada

Robert Klapisch

Henry Marty-Gauquié

Bruno Weymuller

Guy Wormser



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Who We Are: The Organisers



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Logistics

Sandra Carmignani

RK

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Rajaa Cherkaoui
Driss Benchekroun
Yahya Tayalati
Mohamed Chabab
Mohamed Gouighri (Agadir)



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Diversity of topics tackled during our meetings



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- Mobility of researchers (visas, brain drain or brain gain?).



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- Energies for development.
- Man-made disasters: from climate change to coastal overpopulation.



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Morocco is the first African and Arab Country to be a full member of the CERN ATLAS LHC collaboration



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Moroccan Universities (RUPHE)
started belonging to ATLAS in 1996

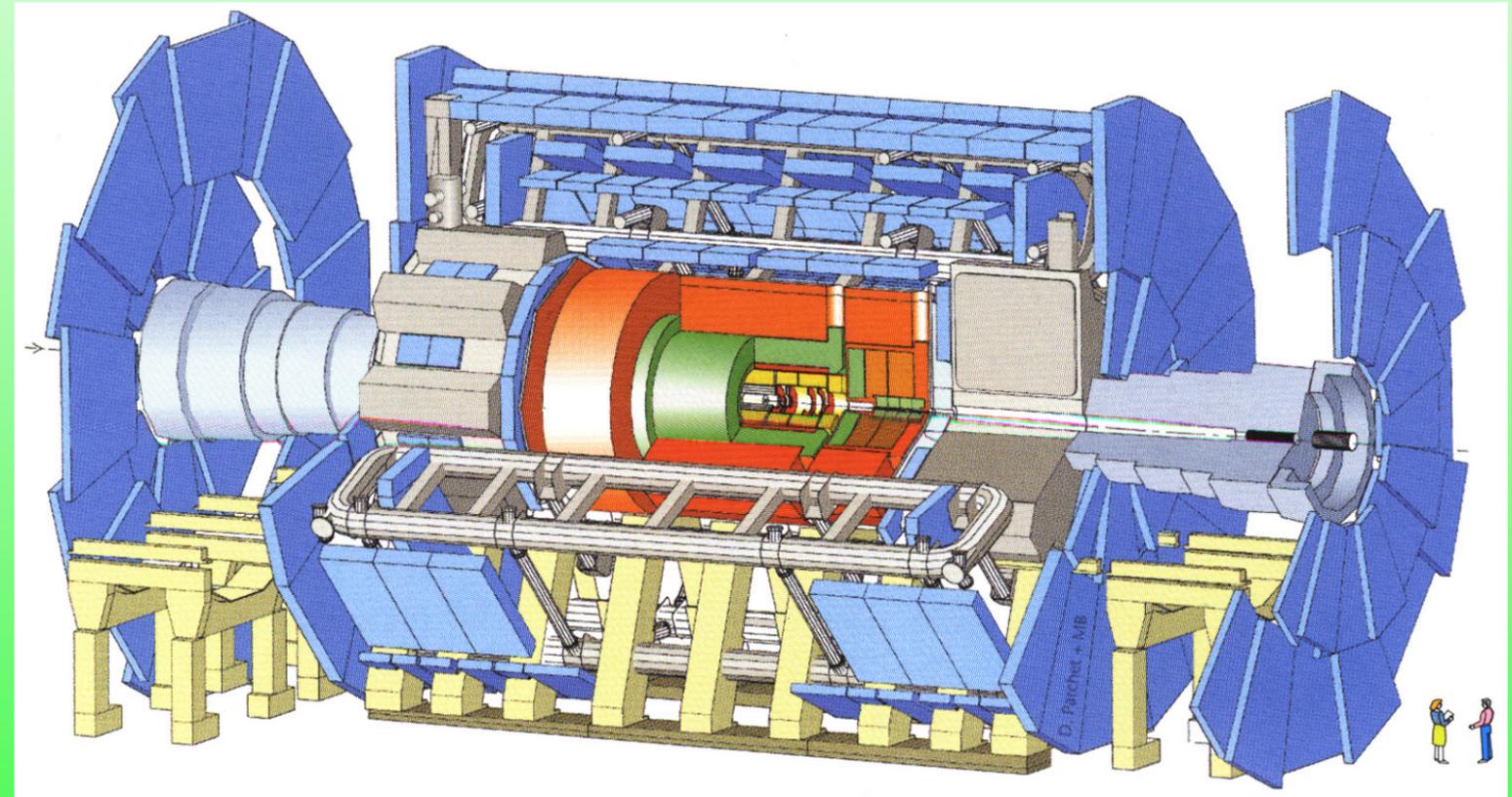


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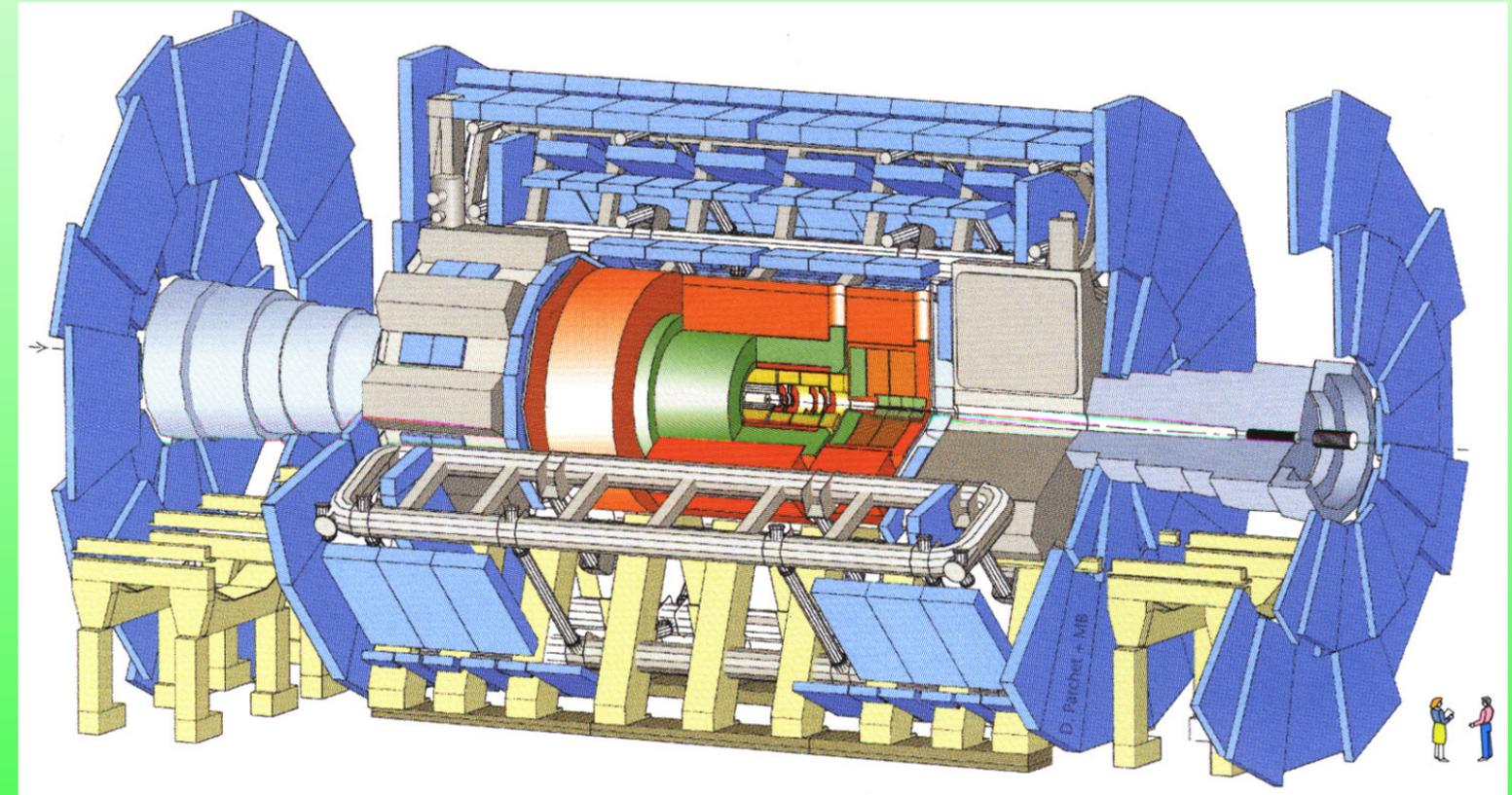


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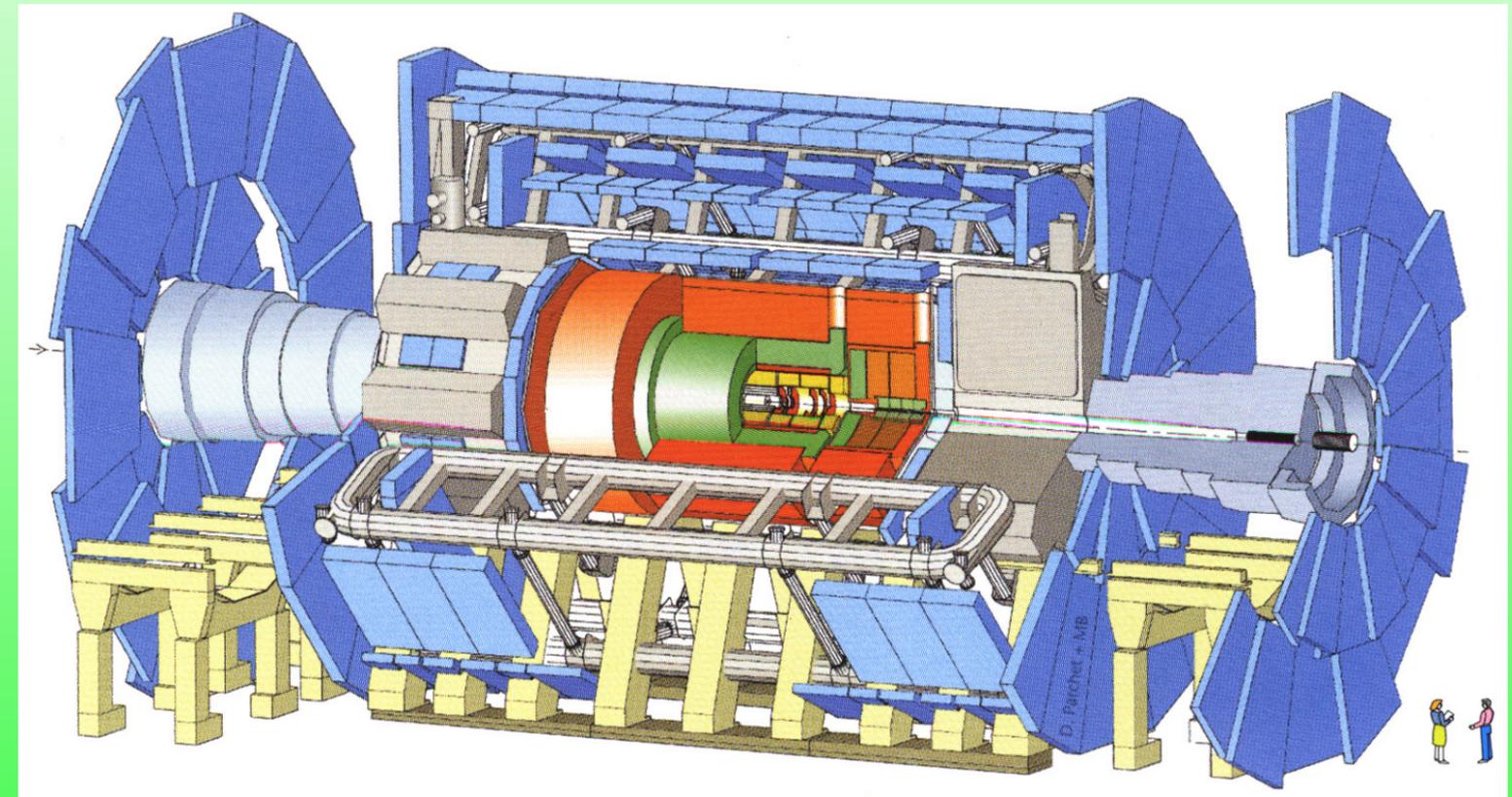


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3000 scientists (1000 students) from 174 universities in 38 countries



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Alliances of National Research and Education Networks



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Alliances of National Research and Education Networks

Ubuntunet connects several Southern-Eastern African RENs among themselves and is connected to GEANT since 2008 This link is now enhanced by Africa Connect

WACREN is an alliance between West and Central Africa that was structured in 2011

ASREN set up by the League of Arab States is the most recent and is incorporated as a non-profit in Germany.



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The three heads of these alliances , seated at the same table during our Malta Conference represent the University system serving 1 billion people.



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Our Present Emphasis: Development in Africa and MENA. The Millenium Goal of Fighting Extreme Poverty

Are there enough resources in our Planet to feed 9 billion humans ? This is an age-old debate tainted by ideologies.



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The Pessimists



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Thomas Malthus (1798)



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Population grows exponentially, but food supply grows linearly



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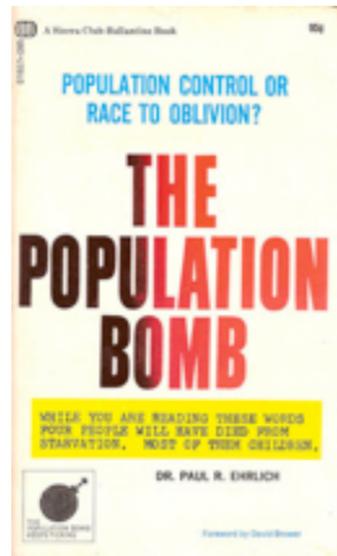
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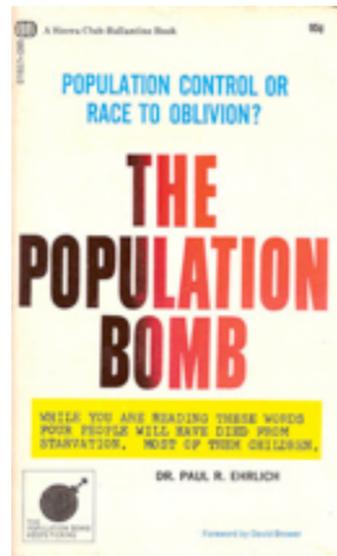
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Paul and Anne Ehrlich (1968)



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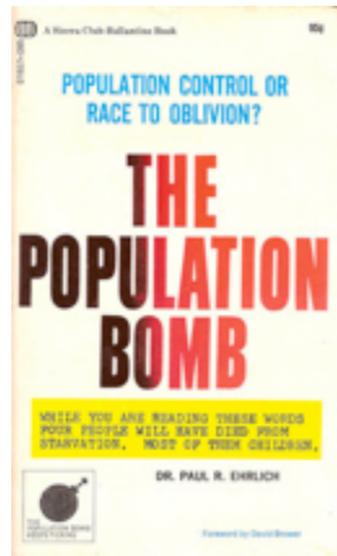
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Warned of mass starvation of humans in 70's and 80's



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They were wrong. Yields can improve through technology !



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Father of the Green Revolution.

Norman Borlaugh



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Between 1965 and 1970, wheat yields doubled in India and Pakistan, saving 1 billion people from starvation.



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The Optimists



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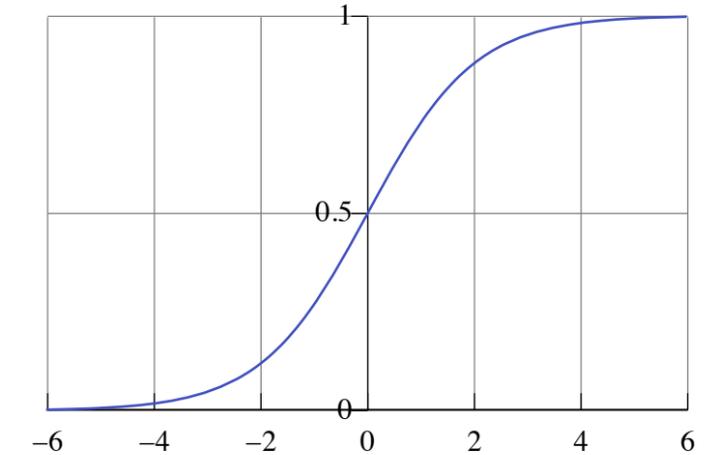
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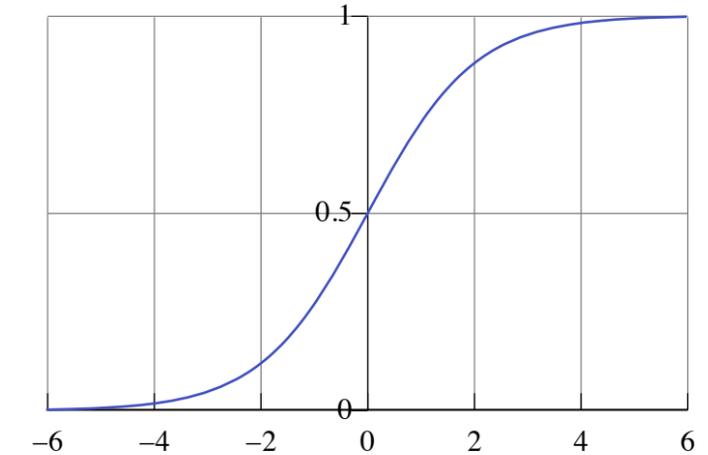
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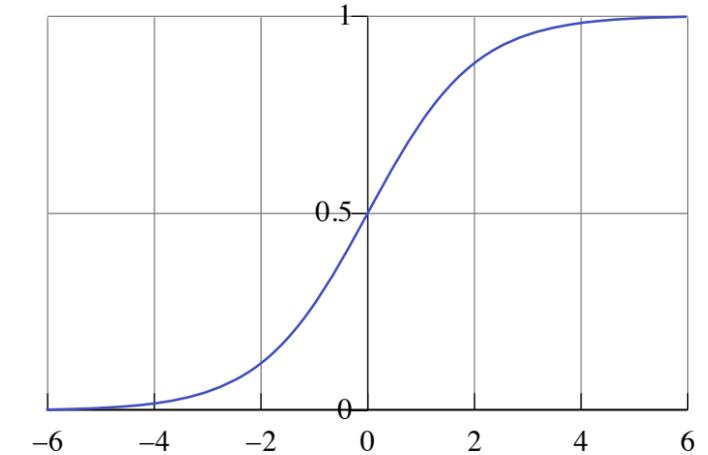
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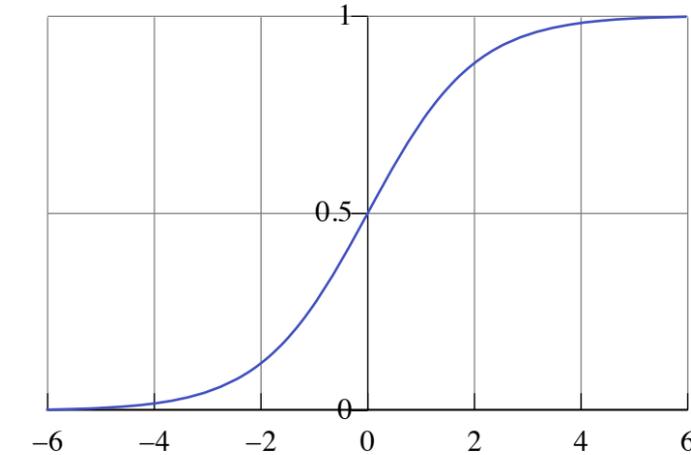
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“The ultimate resource” (1981) is human ingenuity and its ability to find substitutes for declining resources. Population growth increases progress in human abilities.



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Where do we stand ?



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"Sharing Knowledge 8" Rabat 9-12 May
2013

Robert Klapisch

Where do we stand ?

Obviously, we are on the side of the optimists



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It is not easy. But this is what we are going to work on in the next three days



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THANK YOU



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