



COMMONWEALTH *of* LEARNING

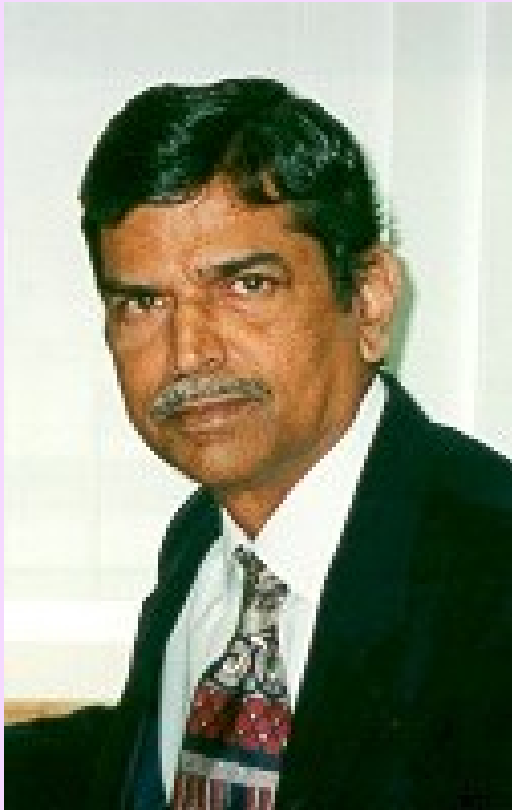


The Nehru Foundation, Ahmedabad

16 February 2006

The Dr. Vikram Sarabhai
Memorial Lecture

Commonwealth of Learning



Krishna
Alluri



Mohan
Menon



John
Daniel

Commonwealth of Learning



Krishna
Alluri

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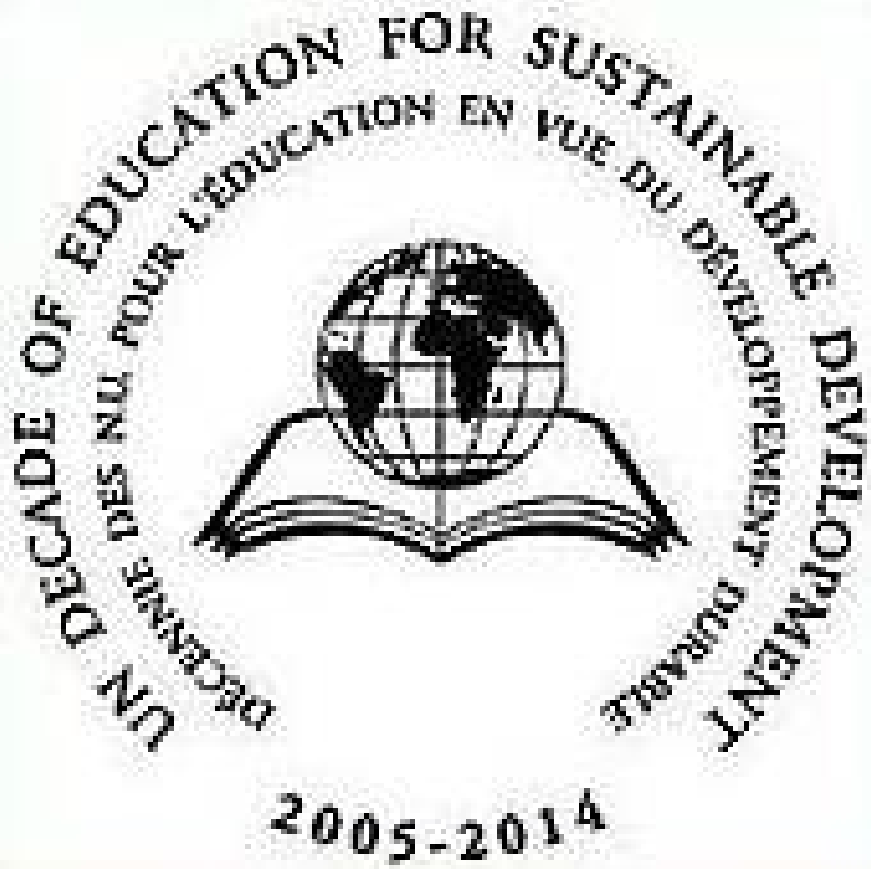
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Technology, Education and Sustainable Development

The Dr. Vikram Sarabhai

Memorial Lecture



Education for Sustainable Development

Education for Sustainable Development

- Its importance is overwhelming



Sustainable Development

Definitions:

“improving the quality of human life while living within the carrying capacity of supporting ecosystems.”

Sustainable Development

Definitions:

“to meet the needs of the present without compromising the ability of future generations to meet their own needs.”



A
global
tragedy
of the
commons

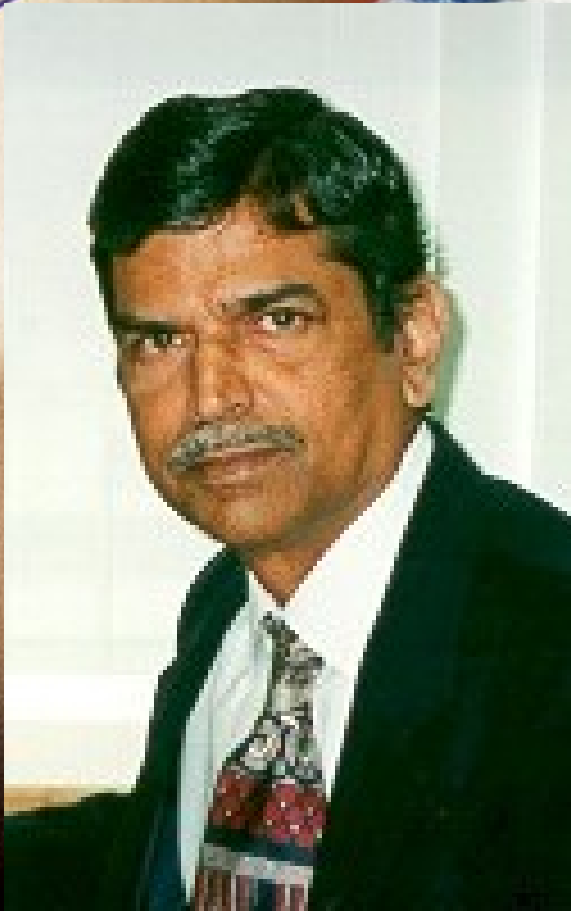
Education for Sustainable Development

*“Human history is a race
between education and
catastrophe”*

H.G. Wells



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Sustainable Development

Definitions:

“to meet the needs of the present without compromising the ability of future generations to meet their own needs.”

Millennium Development Goals

- Poverty and hunger
- Primary education
- Gender equality
- Health
- Environment
- Partnership



Millennium Development Goals

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Education for All by 2015
An international commitment

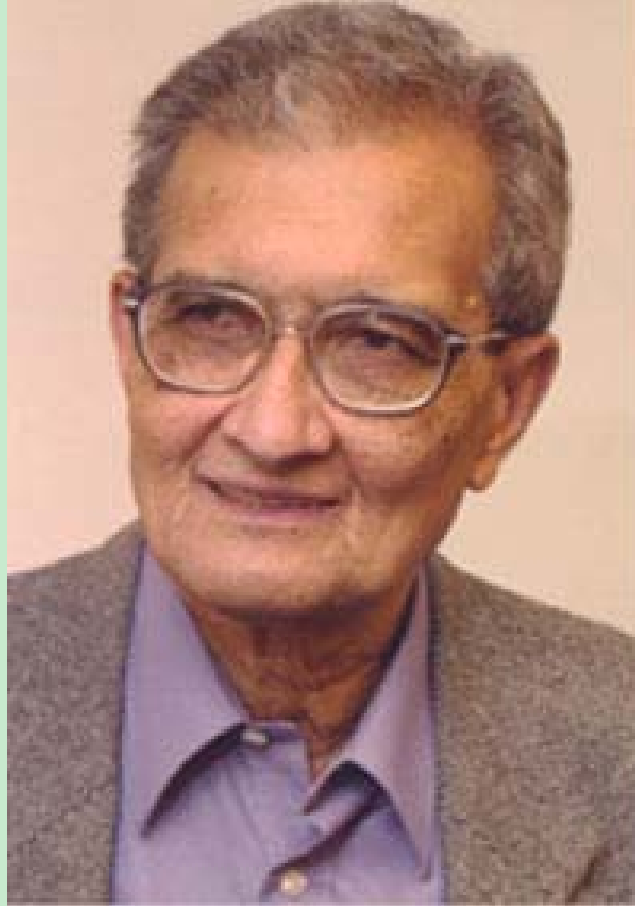


The Dakar Goals

DEMOCRACY



GOOD GOVERNANCE



“There has never been a famine in a democracy with a free press”

Amartya Sen



COMMONWEALTH *of* LEARNING



Learning

is the

Master Key

DEVELOPMENT

IS

FREEDOM

DEVELOPMENT

IS

FREEDOM

‘From’ & ‘To’

FREEDOM

IS THE

MEASURE

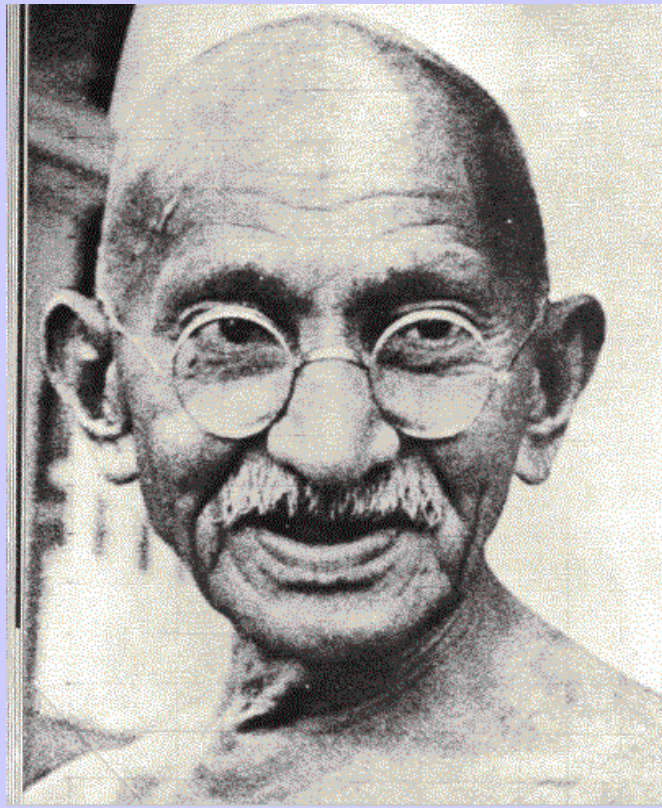
AND THE

MEANS

Sustainable Development

Definitions:

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*“education for life, education through
life and education throughout life”*

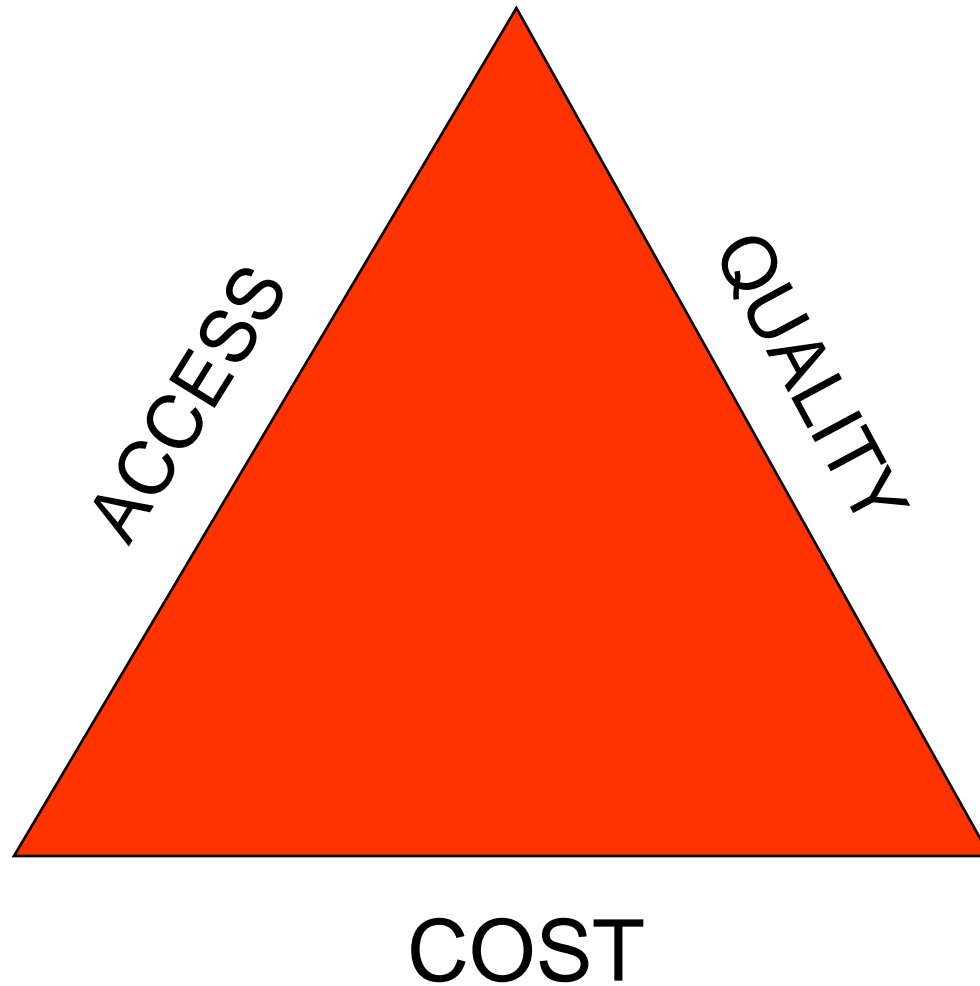
Mahatma Gandhi

conventional methods

cannot

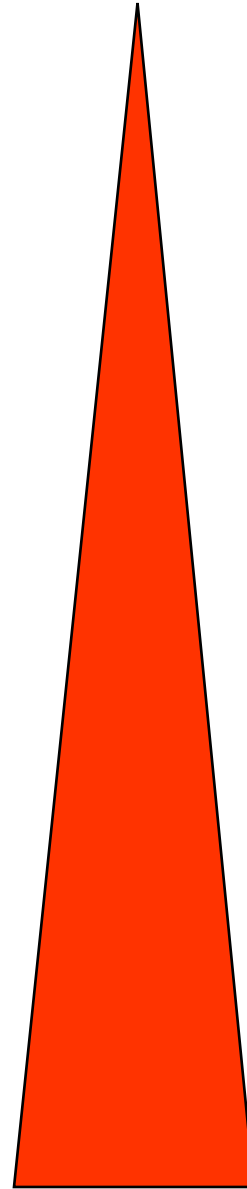
cope

The Iron Triangle



ACCESS

QUALITY



COST

in

education

quality

is defined by

exclusivity

in

education

quality

is defined by

exclusivity

QUALITY

is fitness for purpose

at

minimum cost to society

FINLAND'S EDUCATION

- Top performer
- Average spender
- High equity

The example

of the

OPEN

UNIVERSITIES

BRITAIN'S TOP NINE UNIVERSITIES

Quality Rankings of Teaching

based on all subject assessments 1995-2003
(*Sunday Times University Guide 2003*)

1	CAMBRIDGE	96%
2	LOUGHBOROUGH	95%
3=	LONDON SCHOOL OF ECONOMICS	88%
3=	YORK	88%
5	<u>THE OPEN UNIVERSITY</u>	87%
6	OXFORD	86%
7	IMPERIAL COLLEGE	82%
8	UNIVERSITY COLLEGE LONDON	77%
9	ESSEX	77%

BRITAIN'S TOP NINE UNIVERSITIES

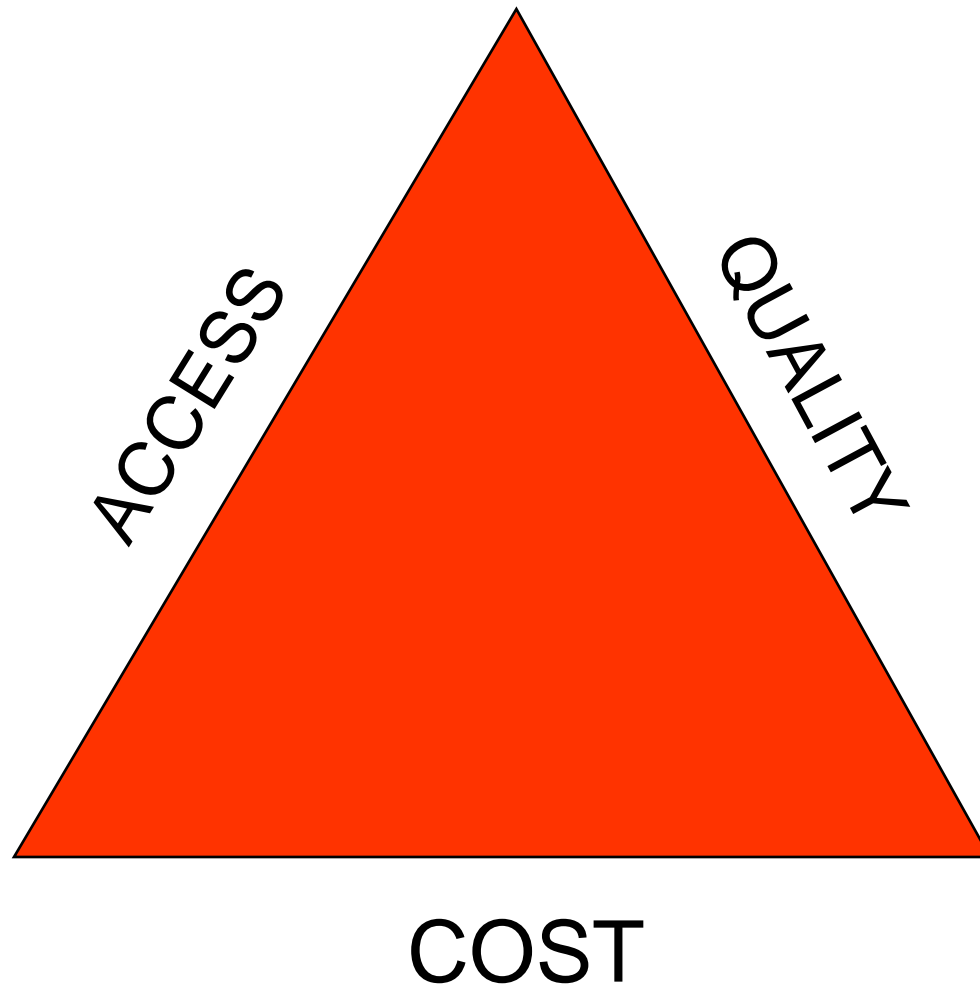
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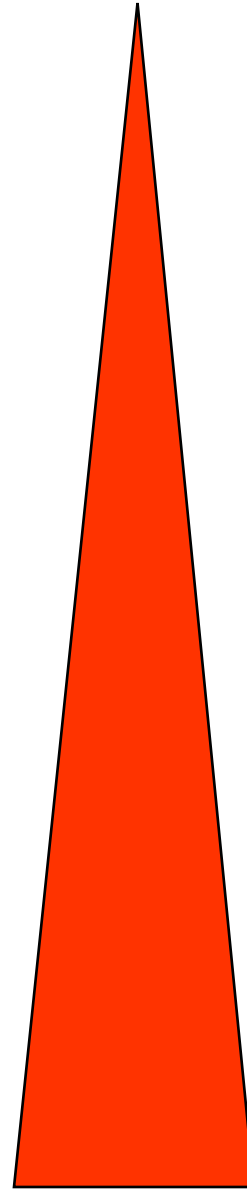
(*** and top in a 2005 survey of student satisfaction)

The Iron Triangle



ACCESS

QUALITY



COST

How to use technology successfully

- Disassemble and reassemble
(division of labour)

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- Economies of scale (quality of scale)
(materials and student support)

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(materials and student support)
- Logistics

How to use technology successfully

- Disassemble and reassemble
(division of labour)
- Economies of scale (quality of scale)
(materials and student support)
- Logistics
- Create community

EDUCATION FOR SUSTAINABLE DEVELOPMENT

- Education of individuals as members of communities
- Education of communities

EDUCATION

Human capital

EDUCATION FOR SUSTAINABLE DEVELOPMENT

Social capital

EDUCATION FOR SUSTAINABLE DEVELOPMENT AT
COL

CEE- Green Teacher

IISC- Environment Education

KSOU- Environment Education

L3 Farmers- Consortium for Farmers

L3 Teachers (I-CONSENT)

MATE-I- Upgrading Teacher Educators

**NCCE/NTI- Networking for Teacher
Education**

Regional Consortia- Teacher Education

EDUCATION FOR SUSTAINABLE DEVELOPMENT AT
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Materials for
Environmental Education
1990s

EDUCATION FOR SUSTAINABLE DEVELOPMENT AT
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Poverty and hunger

Target (2015):

Halve the proportion of people living on less than a dollar a day and those who suffer from hunger

EDUCATION FOR SUSTAINABLE DEVELOPMENT AT COL

CEE- Green Teacher

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Improving Farming

Lifelong Learning for Farmers

1. Mobilise farmers to define their vision
2. Link them to those with useful information
3. Using ICT kiosks, etc.
4. Get banks and business involved

EDUCATION FOR SUSTAINABLE DEVELOPMENT AT COL

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Education

Regional Consortia- Teacher Education

Teacher Training



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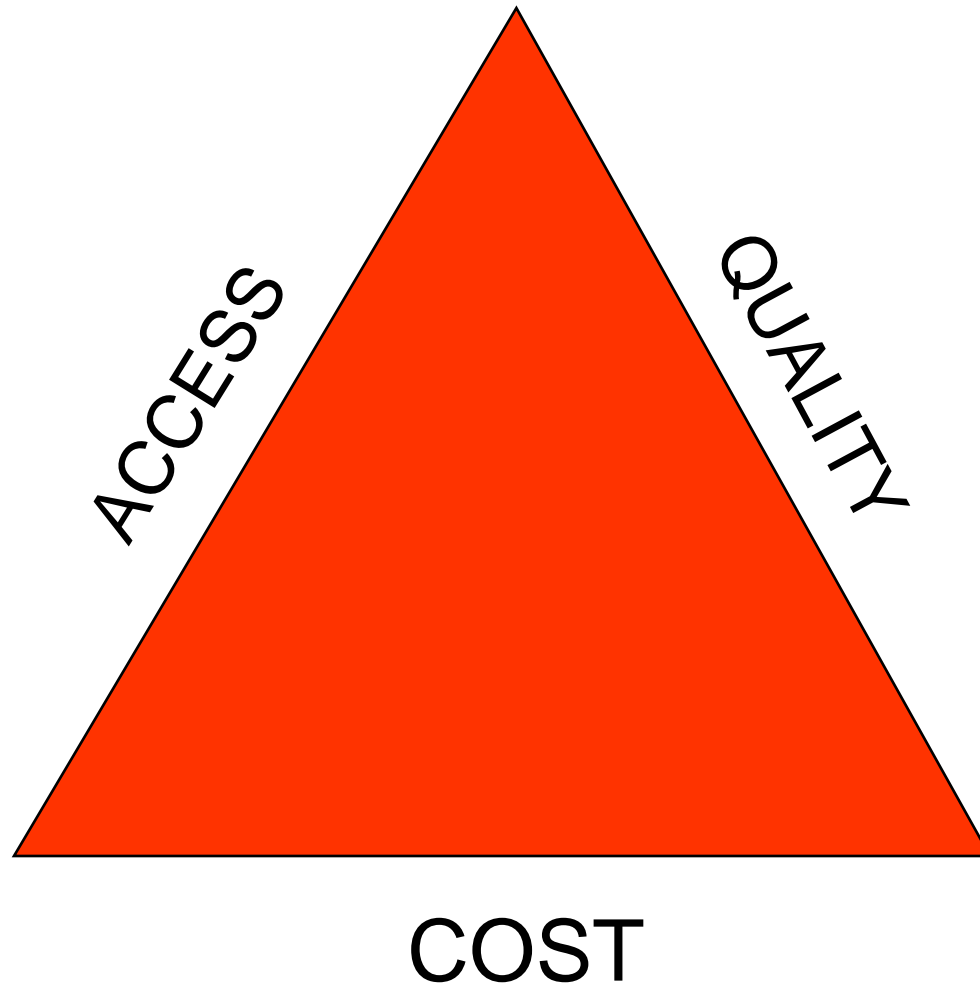
Regional Consortia- Teacher Education

Education

is the

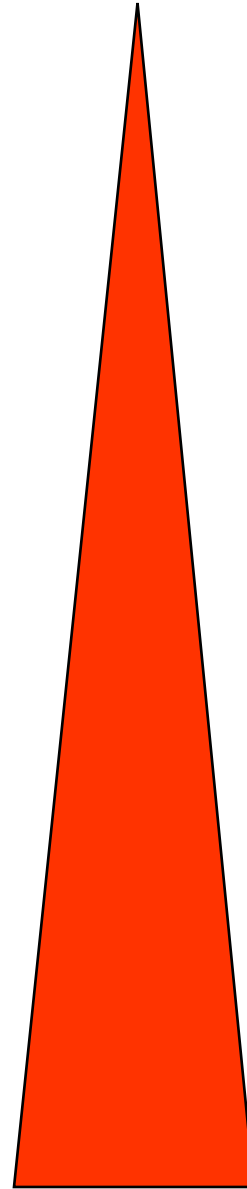
Master Key

The Iron Triangle



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Human capital

EDUCATION FOR SUSTAINABLE DEVELOPMENT

Social capital

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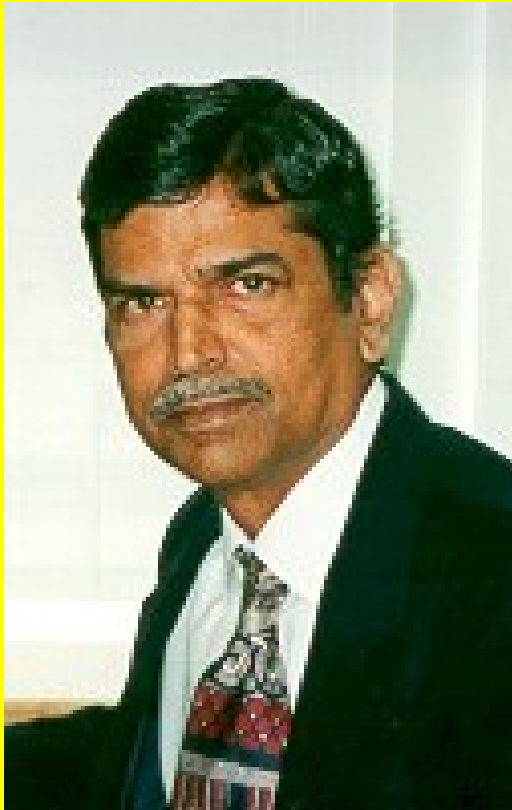
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