# SP5 - COLLABORATIVE CO-CREATION OF OER BY TEACHER EDUCATORS AND TEACHERS IN INDIA: A PARTICIPATORY ACTION RESEARCH STUDY

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# ROER4D

 SP5 - Collaborative co-creation of OER by teacher educators and teachers in India: A participatory action research study

- Gurumurthy Kasinathan, IT for Change
  - Banff, Calgary, April 2015

## The research aims to study

"whether and how,

a bottom-up approach, where participants collaboratively and actively co-create contextual resources

('embedded' within a 'community of learning'), can support effective OER models".

Important URLs for project

STF (LPLC) mailing lists -

http://karnatakaeducation.org.in/KOER/en/index.php/See\_old\_STF\_mails

KOER English wiki portal - http://karnatakaeducation.org.in/KOER/en/index.php

KOER Kannada wiki portal - http://karnatakaeducation.org.in/KOER

Photos from workshops, schools -

https://plus.google.com/photos/112402509869329495346/albums

### IT and education

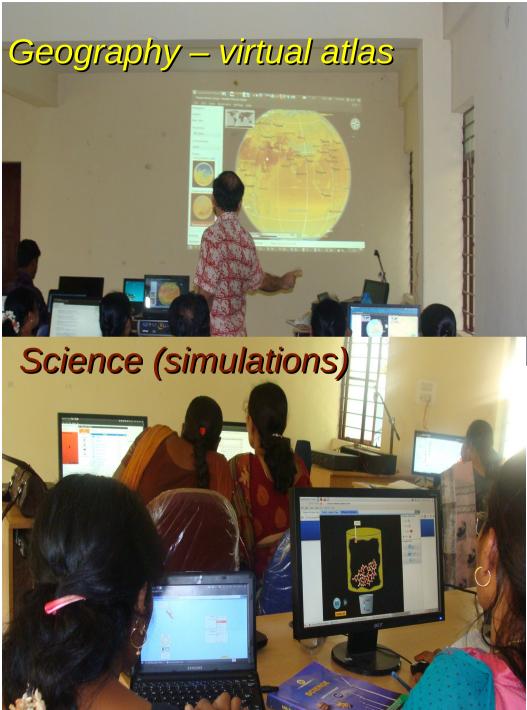
The education system largely teaches as if computers did not exist Computer labs provided to all Government High Schools but not used – teachers do not find them relevant

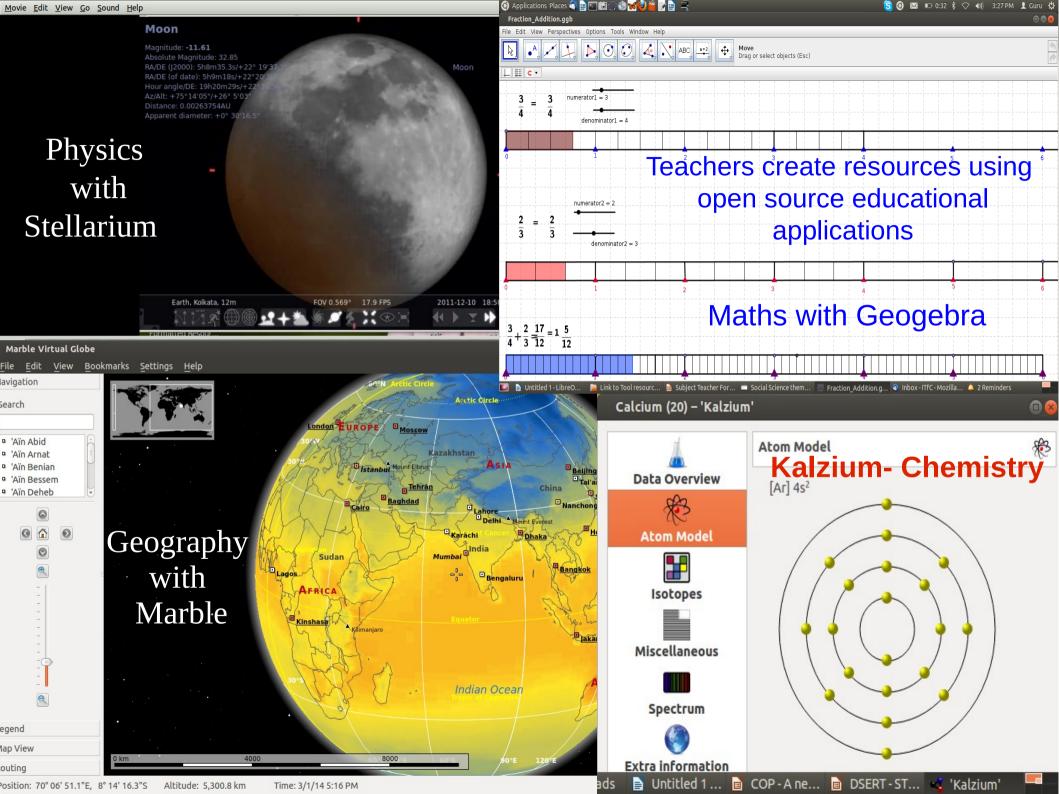


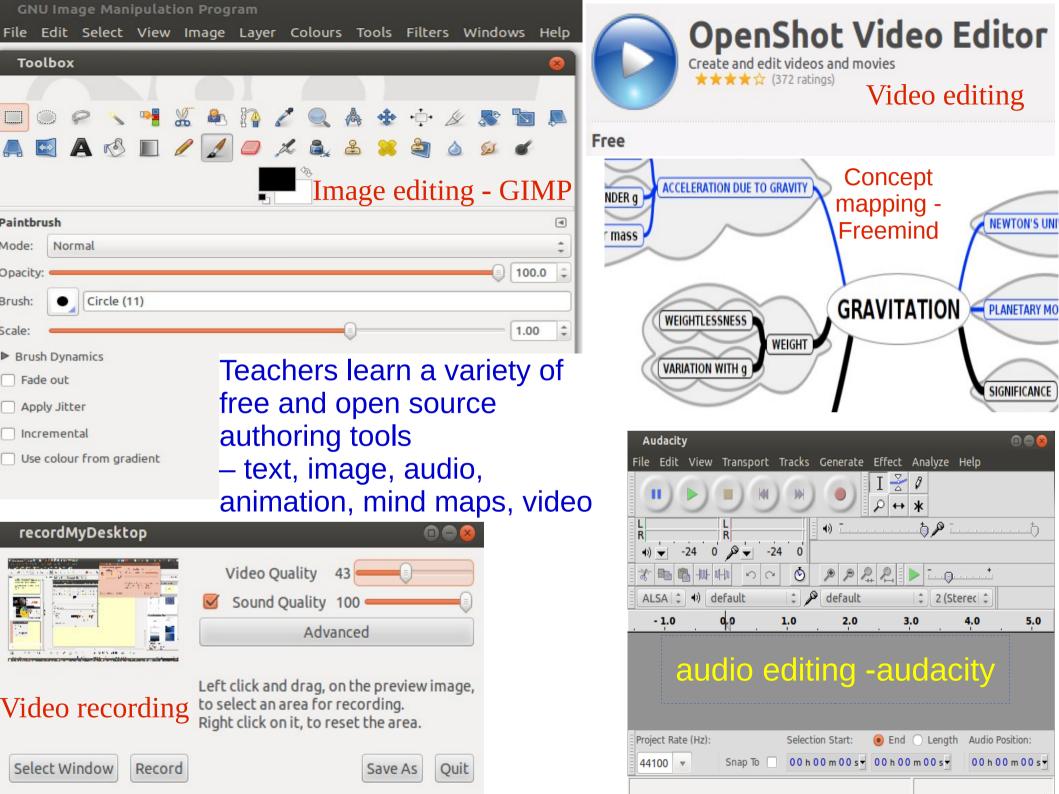
Teachers learn specialised educational software applications (open source)

Turtle (Visual Programming)

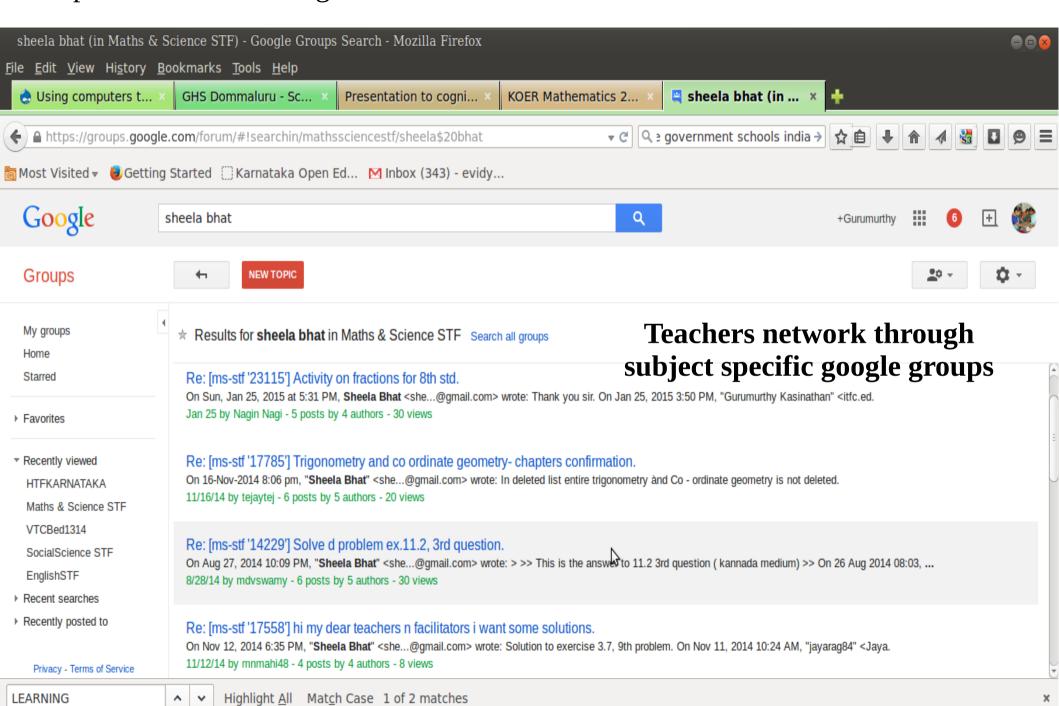








 15000 Teachers trained to participate in "Subject Teachers Forums" for sharing experiences and seeking ideas and resources



# Subject Teacher Forum program (STF)

- 'Subject Teacher Forum', a state-wide teacher education program, consisting of mailing groups in Mathematics, Science, Social Science, Kannada and English and on School Leadership
- Teachers share ideas, experiences and resources; mentor and seek help of peers, explore new areas of learning, network with teacher educators and state functionaries on the forums
- 15,000 teachers from 6,000 schools across the state, part of the groups
- 60,000 + emails shared, 80% are on academic issues
- Globally, the largest community of learners from one school system

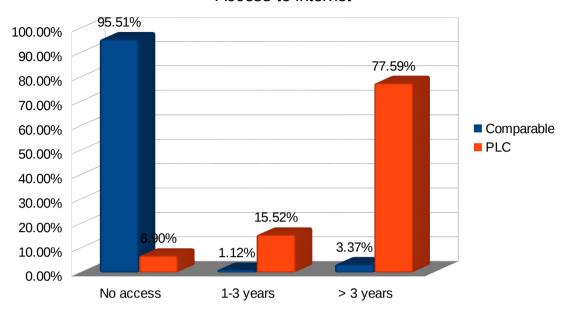
	Yes							
Do you have access	1-3 years		>3 years		No		Total	
to the internet?	Number	%	Number	%	Number	%	Number	%
Comparative Group	1	1.12	3	3.37	85	95.51	89	100.00%
LPLC Group	9	15.52	45	77.59	4	6.90	58	100.00%

	Yes							
Do you use the internet to meet your learning	1-3 years		> 3 years		No		Total	
needs?	Number	%	Number	%	Number	%	Number	%
Comparative Group	0	0	2	3.08	63	96.92	65	100.00%
LPLC Group	12	24.49	30	61.22	7	14.29	49	100.00%

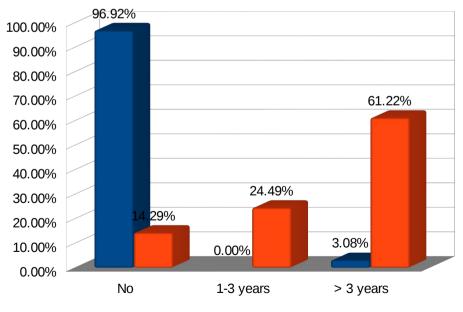
	Yes							
Do you use computers to	1-3 years		> 3 years		No		Total	
fulfill your learning needs?	Number	%	Number	%	Number	%	Number	%
Comparative Group	0	0	1	1.59	62	98.41	63	100.00%
LPLC Group	11	22	34	68	5	10	50	100.00%

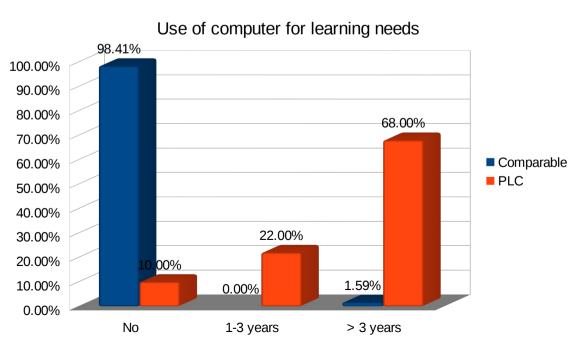
	Comparative	LPLC	Total Result
Using resources other than text book	25.71	86.57	49.42
Not using any resource other than text book	74.29	13.43	50.58
Total Result	105	67	172

#### Access to internet



#### Internet for learning needs

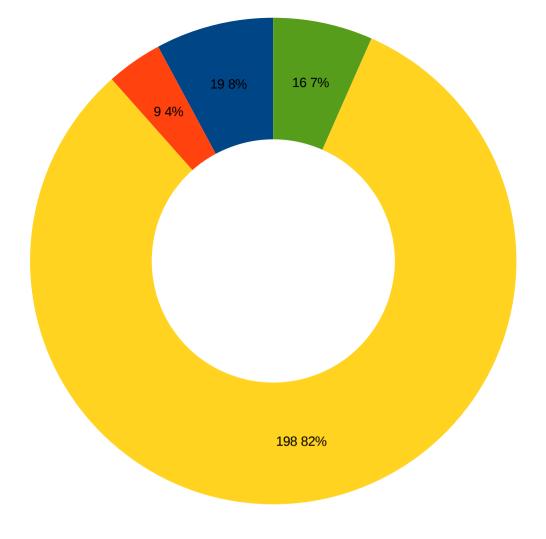




Kind of email	Number	Percent
Asking for help/ seek information	61	17.1
Responding to question	47	13.2
Sharing ideas	17	4.8
Sharing resources – Accessed	41	11.5
Sharing resources – Created	65	18.2
Sharing resources – Revised	4	1.1
Feedback on resources	23	6.4
Sharing resources – departmental	13	3.6
Mails that deal with materials	271	72.3
Others	52	27.7
Total	323	100

#### Table - Format of resources

	it of resources
Text formats	Number of mails
PDF	15
PPT/PPTX	7
DOC, DOCX	6
ODT	4
XLS, XLSX	4
DOC, PDF	2
EML, PDF	2
PMD	1
XLS, XLSX, FLV	1
ODS	1
Image	
JPG	15
GIF	2
PNG	2
EML, JPG	1
Video	
FLV	3
MPEG4	2
WMV	1
JPG, DOC, PDF	1
Facebook video	1
Geogebra files	
GGB	20
GGB,EML	2
Mindmaps	
MM	1



- Explicit non-OERs
- Implicit non-OERs
- Implicit OERs
- Explicit OERs

## Table - Awareness of OERs

Explicit non-OERs	19	7.8%
Implicit non-OERs	9	3.7%
Implicit OERs	198	81.8%
Explicit OERs	16	6.6%
Total	242	100%