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# Lapa

Looking through the trees



## Building ICT capacity in Free State

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Christina Preston  
Mara Chrystie  
Mark Bennison  
Free State colleagues



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**Dumelang !**

**Good morning!**

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# **The Discussion Framework**

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**Why are we implementing elearning in Free State ?**

**Who will be in the Lapa community?**

**What are the proposed activities?**

**What issues have arisen?**

**What are the priorities for 2004?**

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# Why are we implementing Elearning in Free State?

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The teaching and learning context

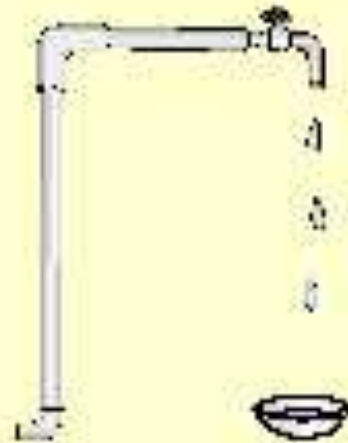
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# Education - a narrowing pipe

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# Communal Constructivism

## The Analogy of a River

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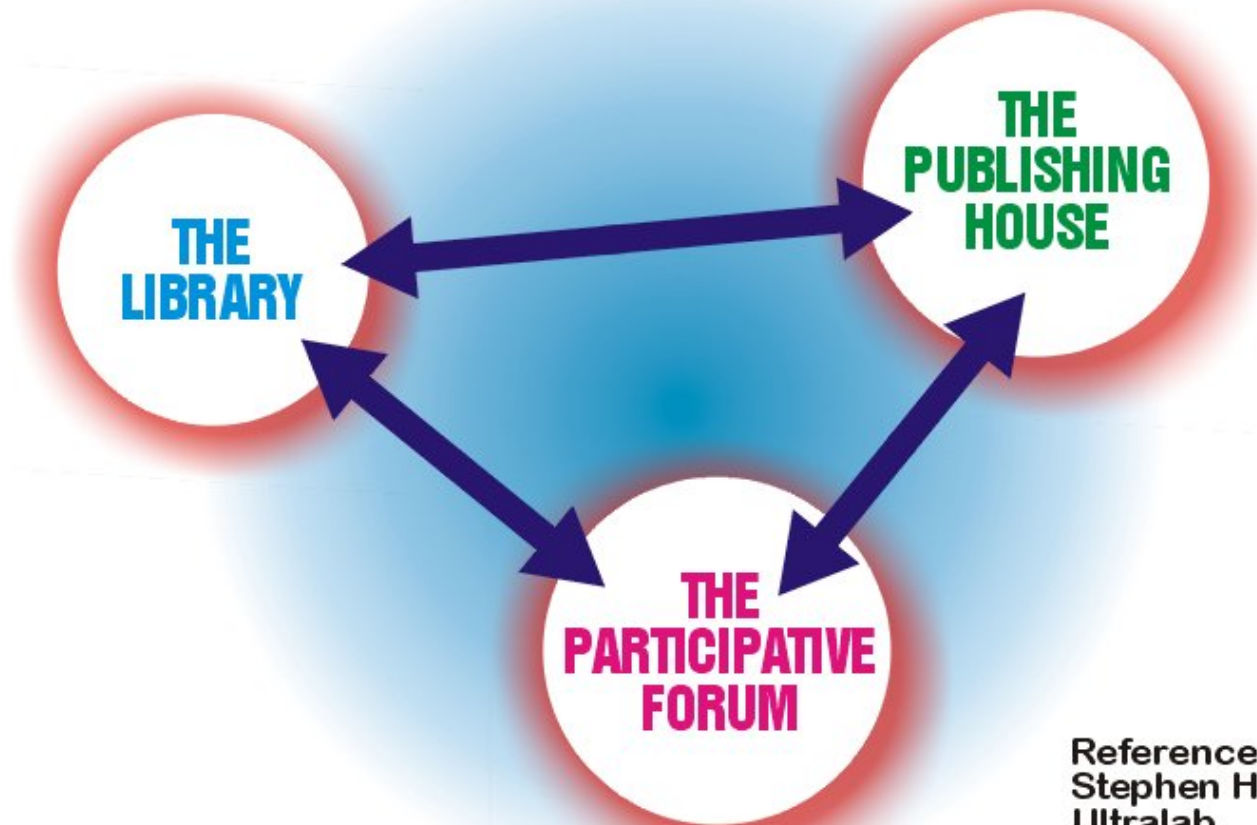
# Different Styles of Learning

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VIEW OF LEARNING	VIEW OF TECHNOLOGY	ROLE OF TEACHER
INSTRUCTION	Teaching Machines: Drill and practice	'Heat and serve curriculum' Conveyor of knowledge: deliverer
CONSTRUCTION	Making meaning through activity simulation software etc.	Enquirer, Elaborator. Facilitator of thinking
CO-CONSTRUCTION	Building learning communities	Making connections. Making contacts Learning too

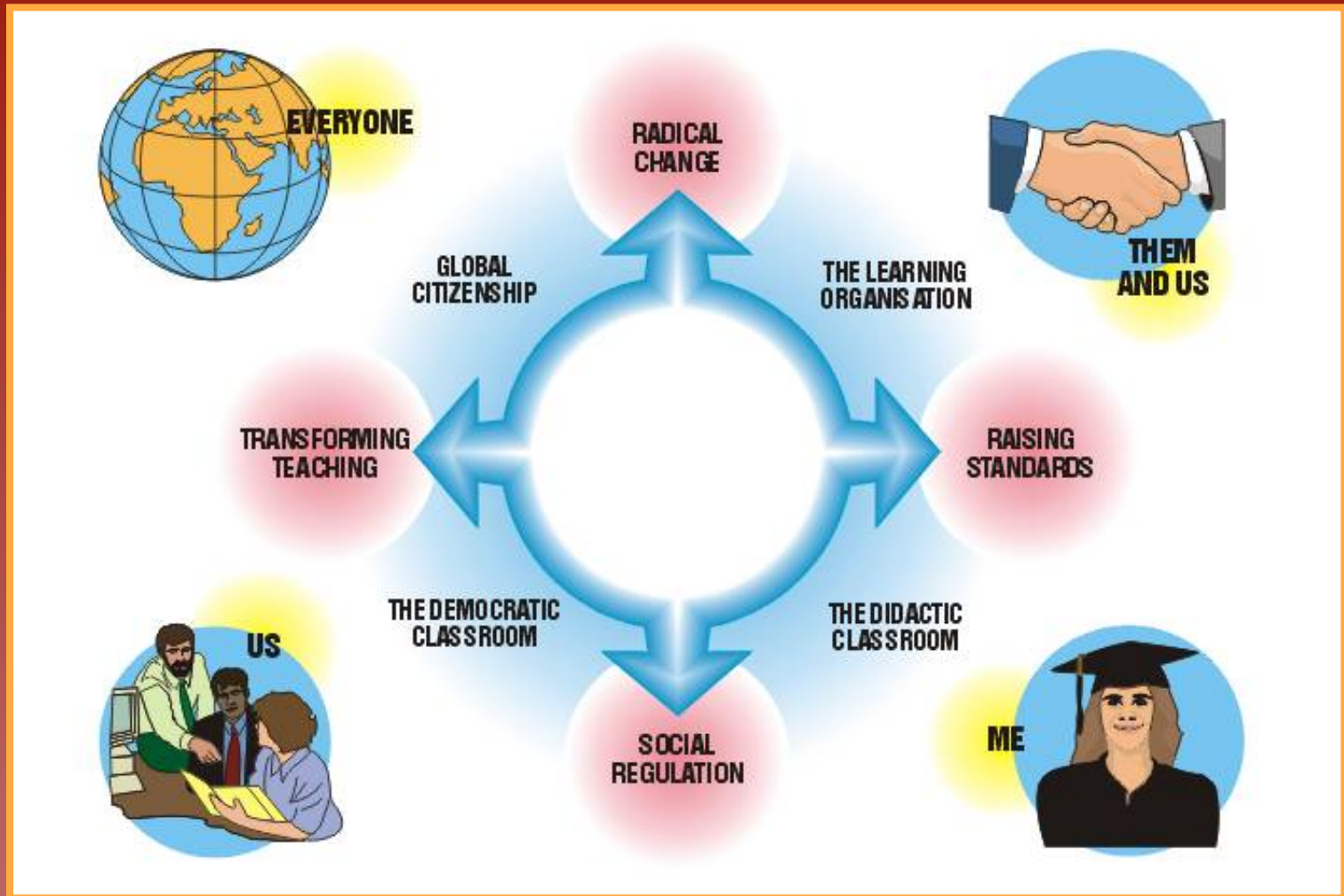
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# The Internet as three-tiered tool for learning and publishing



Reference:  
Stephen Heppell  
Ultralab





# What matters is how you use the technology



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Who will be in the  
Fast Gain community  
2004 ?

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# Capacity building

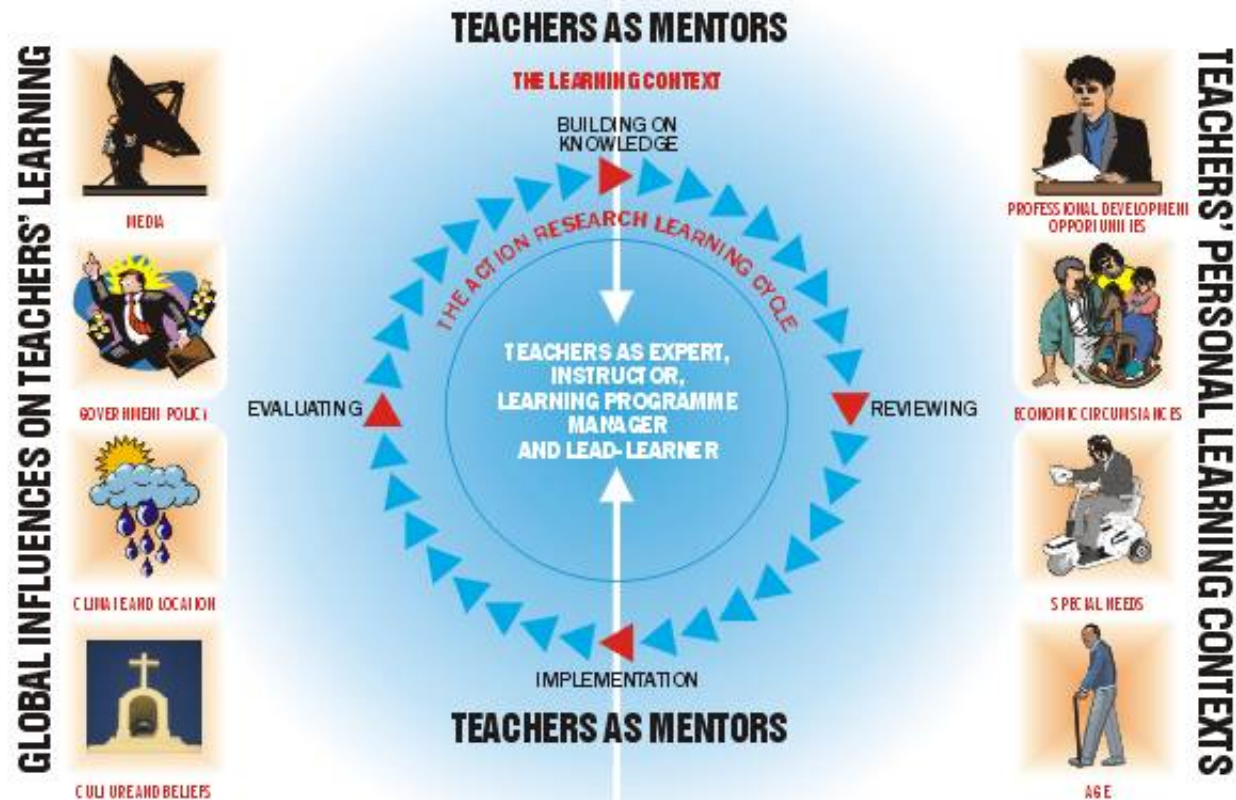
## Start small

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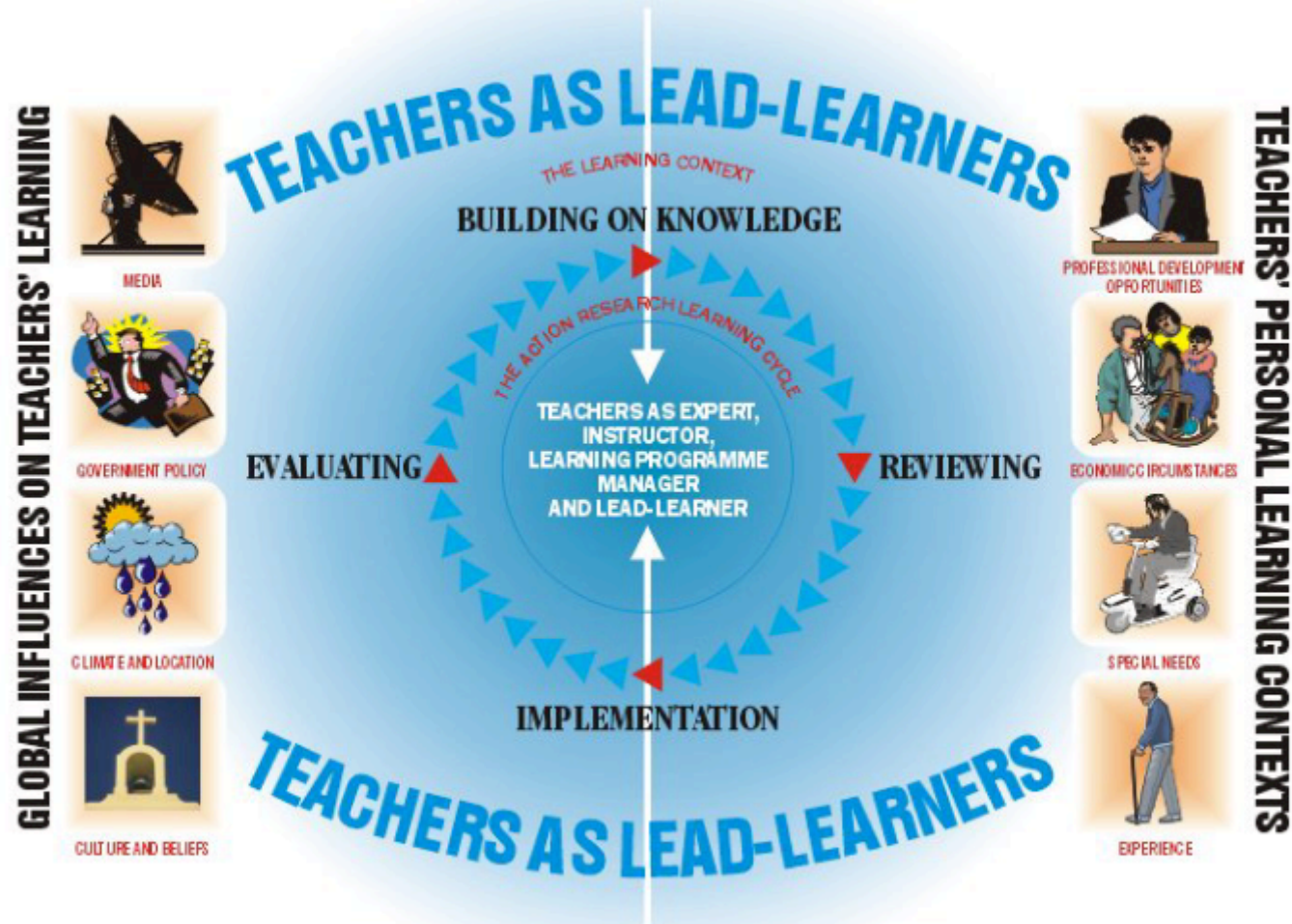
# Building the 2004 FS Lapa community

## 15 SA, 15 MN Mentor Fellows and 5 ERC key staff



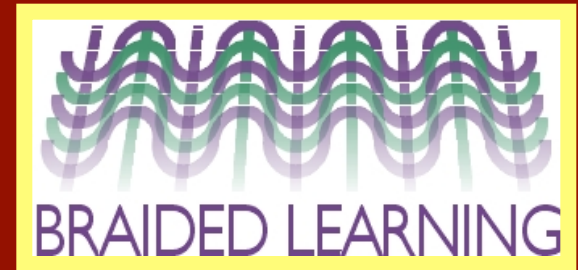


# 60 lead learners



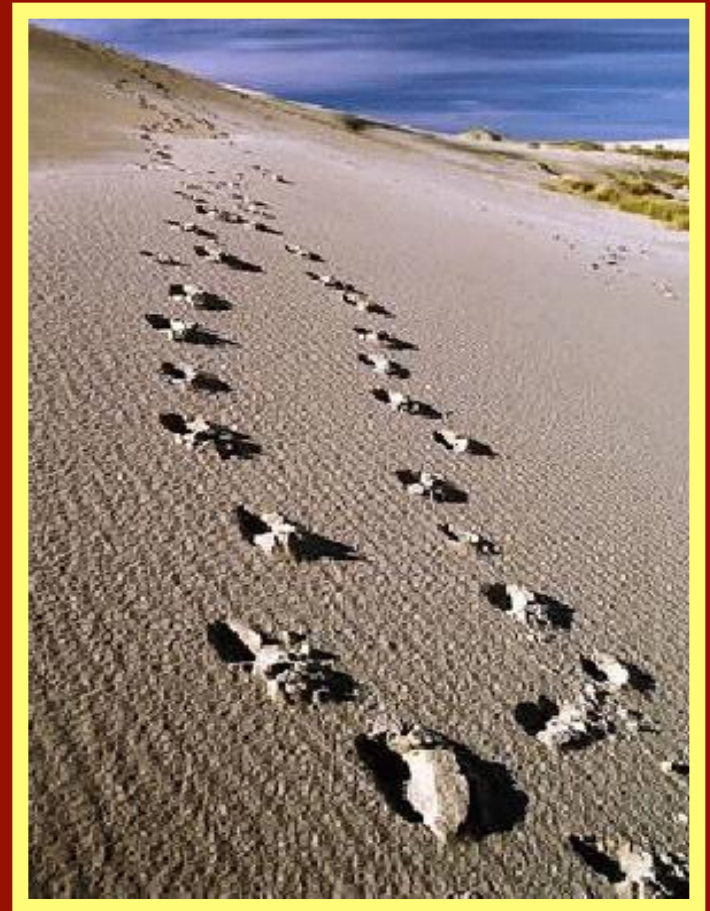
# Cooperative, collaborative Professional Working Groups

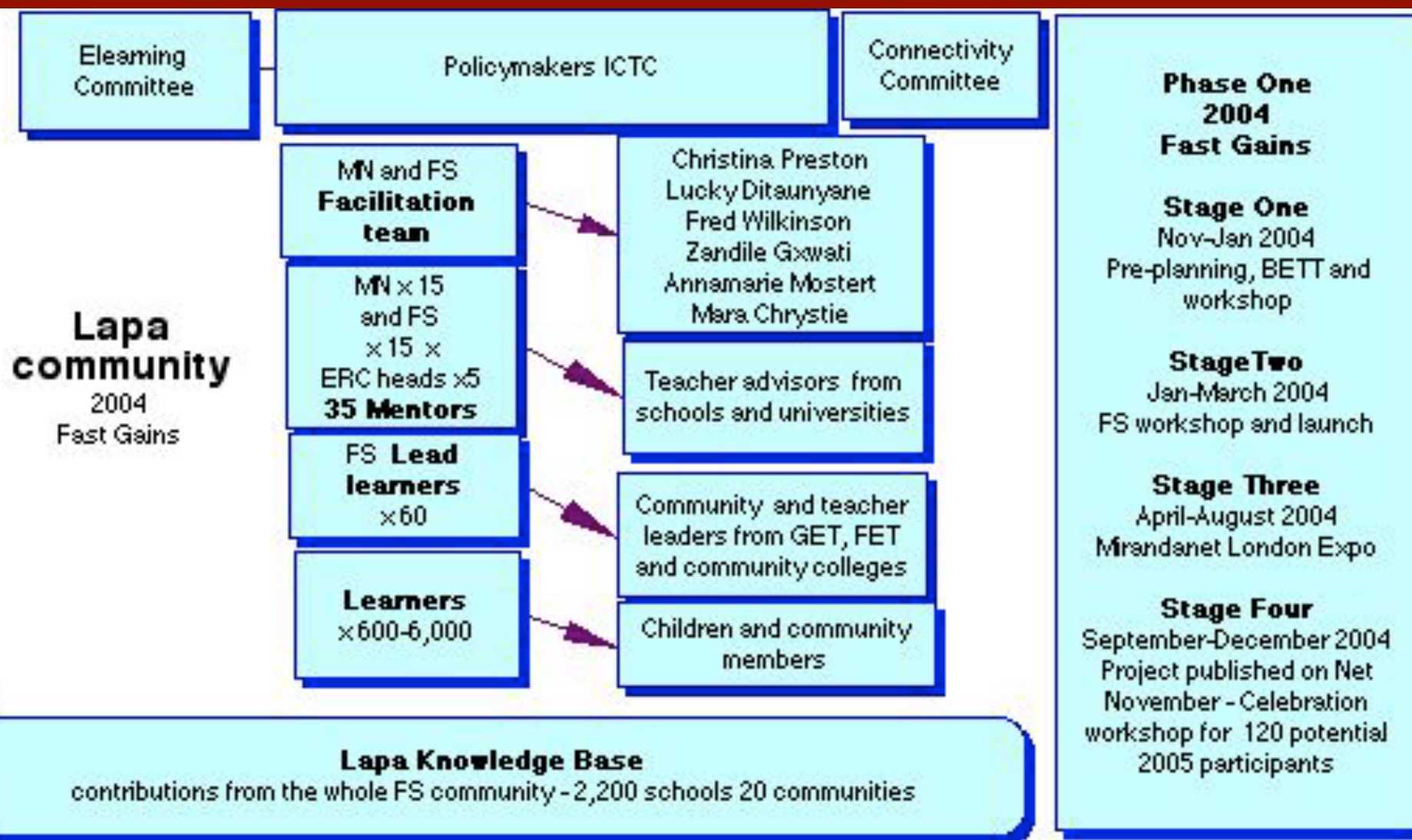
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Creating a web environment where learners leave their imprint on the knowledge base as an integral part of their learning.

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## Activities

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# Free State Fast Gain Programme 2004



FreeState  
& MirandaNet  
Partnership

FS DoE

We  
are  
World  
Ecitizens

Looking through the trees

Mission statement



Our guide :  
the upside down bird

Company  
Partners



# Lapa

our gathering place

All about FreeState

Expert classes

Bosberaad

Ejournal

(lapa watermark background by a FS artist)

# Building effective ICT CPD Vision 2004 - 2013

## ICT Continuing Professional Development

**Level One**

### **Beginners**

Basic multimedia training developed at Hillside

**Level Two**

### **Intermediate**

ICDL/Aston Swann Teachers' package  
Microsoft/Intel training

Ejournal

**Practitioners building a web based practice based evidence base  
Internationally accredited modules for teachers at a range of levels**

**Level Three  
Certificate  
PGCE  
Diploma or  
Masters level**

Classroom teacher\*  
projects

Emoderators  
online projects\*

SMTs projects

Staff elearning programmes  
in schools

Video conferencing

OBE/Citizenship  
Literacy and numeracy  
creativity thinking skills

**Level Four  
Post Graduate,  
Ph.D and Ed.D**

Practice based research, formative evaluation and quality assurance

**“It is a process characterised by  
the notion of a learning  
organisation that subscribes to  
regular review and continuous  
improvement”**

**Mr DA Kganare**

**Free State three-year strategic plan**

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What are the issues  
that have arisen?

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# Quality Assurance of Software

- **Strong Software**
  - Beyond “drill and practice”
  - Embracing Learning Styles preferences – multimedia text, audio, video, 3D
  - Encouraging creativity
  - Imaginative use of application software
  - Virtual learning environments – including learning journals and personal learning plans
  - Customised in line with OBE principles
  - Web based software resources
- **Screening, evaluation and verification frameworks**

# FS impediments and barriers

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- **Human Resources:**
    - Lack of staff time and administrative support.
    - Succession of IT dept expertise; salary implications
    - Lack of available project staff from Curriculum and IT
    - Lack of ICT training capacity throughout the system
    - Empty posts for the ICT programme start
    - **Lapa** scanning staff and resources required
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# **FS impediments and barriers**

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- **Financial Resources:**
    - Action and procurement delayed between Dec-April because of the gap between one financial system and another (normally run in parallel)
    - UK team have 4 more days in budget?
  - **Connectivity:**
    - Telkom restrictions on broadband delivery and pricing strategy is prohibitive
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What priorities are being  
proposed for 2004?

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# Recommendations

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- Requirement for negotiations at high level with Telkom Foundation not Telkom Sales
  - Need to establish a FS Telkom education representative
  - Immediate staffing budget for Fast Gains programme
  - Teacher secondees to the Curriculum department
  - More staffing in the FS IT Department to give continuous support
  - Outsourcing 'one stop shop' support and maintenance
  - Need for an advisory team of ICT lead learners
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# **Partnership Companies recommendations**

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**Partnership with the FS signalled by logos on the Lapa website**

**Companies especially black empowerment ‘encouraged’ to visit BETT04 to raise knowledge and understanding of the world market and look for effective partnerships**

**FS and Company funded practice based classroom projects for evidence base and research into SA resource needs and usage**

**Send proposal to Telkom for video conferencing facilities and scholarship bursaries**

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# **Onwards and upwards**

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## **2005-2007 Phase One**

**Piloting resources**

**Developing ICT CPD programme**

**Raising sustainable funding**

**Reaching out to CR, Chile, Gambia, Nigeria**

## **2005-2007 Phase Two**

**Implementing full programme**

**Marketing programme in Africa**

## **2005-2007 Phase Three**

**Marketing programme internationally**

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# **We will close the digital divide, but...**

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**I have walked that long road to freedom. I have tried not to falter ; I have made many missteps along the way. But I have discovered the secret that after climbing a great hill, one only finds that there are many more hills to climb ....**

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**Nelson Mandela**

**Thank you for  
your generous  
hospitality.**





Visit the MirandaNet website at

**[www.mirandanet.ac.uk](http://www.mirandanet.ac.uk)**