



Corporate Profile



LSF Board of Directors

Visionaries volunteering for a not-for-profit organization

Chairman



Mano Sekaram
CEO, Eurocenter DDC Ltd



Prof. Rohan Samarajiva
Executive Director, Linne Asia



Dr. Ruwan Weerasinghe
Senior Lecturer, UCSC, University of Colombo.



Keith Modder
Exec Vice-President/MD (Asian OPS), Virtusa Pvt. Ltd



Dinesh Saparamadu
CEO, hSenid Software (Pvt) Ltd.



Dhananjaya Chandrasekera
CEO, John Keells Computer Services (Pvt) Ltd

Chief Scientist



Dr. Sanjiva Weerawarana
CEO, WSO2 Lanka (Pvt) Ltd.



Prof. Lalith Gamage
MD/CEO, Sri Lanka Institute of Information Technology



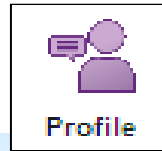
Dr. Nimal Ratnayake
Director of ICSU, Fac of Eng, University of Peradeniya



Visakha Nanayakkara
Head of Dept of Computer Science and Eng., University of Moratuwa



Dr. S. Dharmavasan
Managing Director, Kingslake Engineering Systems.



Dr. Ajith Madurapperuma
Senior Lecturer, IT Faculty, University of Moratuwa.

Lanka Software Foundation: Our Vision...

LSF is a leading **not-for-profit** R&D organization for niche open-source software, constantly contributing to science, business and economy through technology. **Passionate volunteers** are establishing a Sri Lankan brand recognition not only locally but globally by collaborating with local and global organizations & universities.



"I think globally, but I spend locally."

Who is Lanka Software Foundation (LSF)?

Operating model

- Non-profit organization managed by a board of industry, university and government leaders
- R&D performed in labs hosted at universities in Colombo & Moratuwa
- Business Model
 - Identify projects in key LSF domains; Nanotechnology, Biotechnology & Climate Change in Open Source
 - Identify technical leader to execute & guide project
 - Find small group of promising people, grant fellowships and create right environment for successful execution

Objectives

- Develop Sri Lanka as a leader in open source software R&D – **country brand**
- Develop a small group of *incredible* global technology leaders – **individual brand**
- Create an environment for Sri Lankan software companies to become global players – **company brand**
- Create real economic impact in Sri Lanka

What is LSF's Mission?

LSF

- » Started in **2003**
- » **Not-for-profit organization** managed by board of industry, university and government leaders
- » Approach:
 - » Identify **promising projects**
 - » Identify **technical leader** to guide project
 - » **Support talented people**, grant fellowships and create right environment for successful execution

Innovation Value

- » R&D in labs hosted at universities (Colombo & Moratuwa)
- » Create a hub for niche open source projects in Sri Lanka instead of US/EU
- » Open source is generating more impact in Sri Lanka

Societal Value

- » Projects driven by small numbers of highly motivated, committed, and skilled individuals
- » Opportunity to create a different brand for Sri Lanka from traditional low-cost geographies

Educational Value

- » Open Source allows A+ students in SL to build personal brand to distinguish themselves globally
- » Supported 10 LSF fellows to pursue higher studies abroad
- » Apache Axis project: 15 fellows supported with to pursue higher studies abroad
- » 100 fellowships & 25 internships granted

ECONOMIC VALUE

Act as incubator for new companies such as:

APACHE Axis2/Java
WSO2

SAHANA
RESPERE

Successful Incubation : Sahana Disaster Management System

... is an ICT System to manage various phases of disaster management including planning, mitigation and recovery

Major Deployments of SAHANA

- Tsunami at **Sri Lanka** in 2005
- Asian Earthquake at **Pakistan** in 2005
- Landslide disaster in **Philippines**, 2005
- Yogyakarta Earthquake, **Indonesia** in 2006
- Office of Emergency Management at **New York City Council, U.S.A** in 2007
- Disaster Management Bureau for Cyclone Sidr at **Bangladesh** in 2007
- Chengdu Earthquake at **China**, 2008
- Pre-deployment for Management system at Sarvodaya, **Sri Lanka** in 2008
- Pre-deployment for Red Cross, **Sri Lanka** in 2008



Successful Incubation: Apache Axis2/Java Project

... provides a complete object model and modular architecture that makes it easy to add functionality and support for new Web Services-related specifications and recommendations

- » Leading Java Web services platform
- » Lead to creation of many supporting projects
 - » Apache Neethi, Apache Sandesha, Apache Kandula, Apache Rampart, ...
- » WSO2 company formed around this project's success and at present has employed more than 100 people
- » Creating globally innovative software products competing with major software vendors based out of Sri Lanka

LSF Awards

SAHANA - Awards

- FSF award for “Social Benefit” won and inspired by Sahana
- Sourceforge Project of the Month, June 2006
- Software 2006, CA USA Good Samaritan Award
- One of the top 10 Open Source Project to keep an eye on – Network World article
- Represented in forums:
 - US WSIS, ISCRAM, UNDP IOSN, StrongAngel, AsiaOSS Symposium, Emergency Communications Asia

DALESA – Award

- Won a special mention award at e-Swabhimani Awards 2010 in the e-Learning Category.
- PAPERS Published
 - e-Asia 2009 conference
 - ICTer conference 2010

NINITHI – Awards

- Bronze award in the R & D Category, NBQSA 2010.
- Nominated for APICTA 2010, e-Learning category
- Nominated for e-Swabhimani 2010, e-Learning category
- Country nominee for Manthan Awards 2010, e-Learning category
- Papers published
 - Research paper on Ninithi mathematical and algorithm at "4th asia international conference on mathematical modelling and simulation,,
 - Extended abstract on 'Bottom-up Approach NEMS design software to "International Conference on Advances in ICT for Emerging Regions - ICTer2010"



Why invest in Sri Lankan ICT projects?

Sri Lanka in the Global IT market today

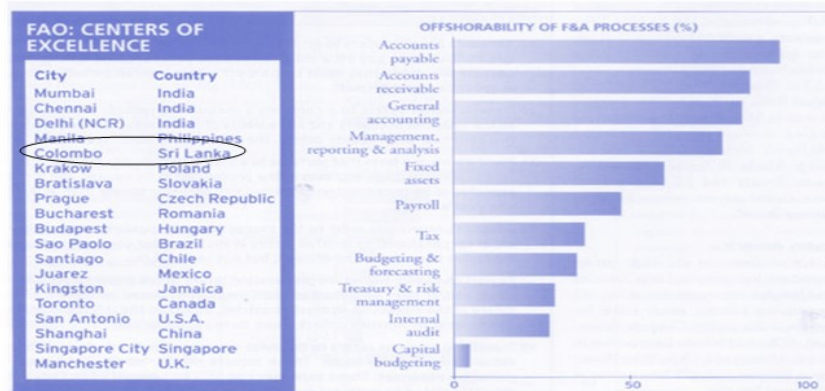
Sri Lanka in the Global IT market

Moved up from 29th position in 2007 to 16th in 2009 gaining Global recognition

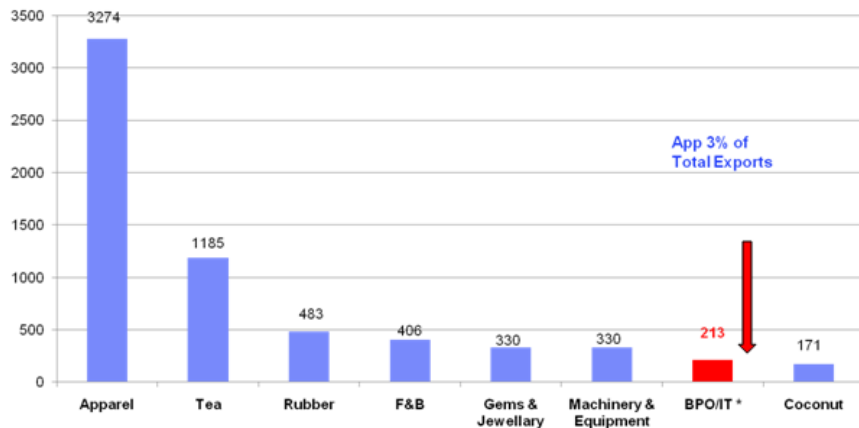


Colombo ranked 5th on the FAO Centers of Excellence

locations by Global Services magazine

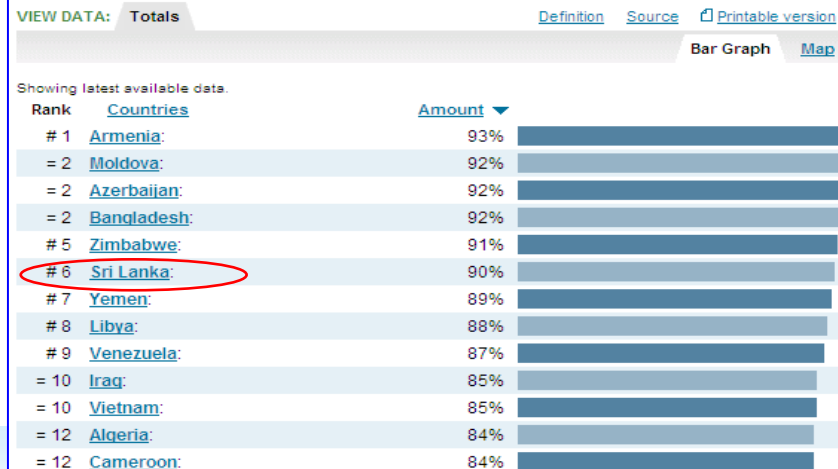


IT/BPO – Emerging a Top Export Revenue Earner



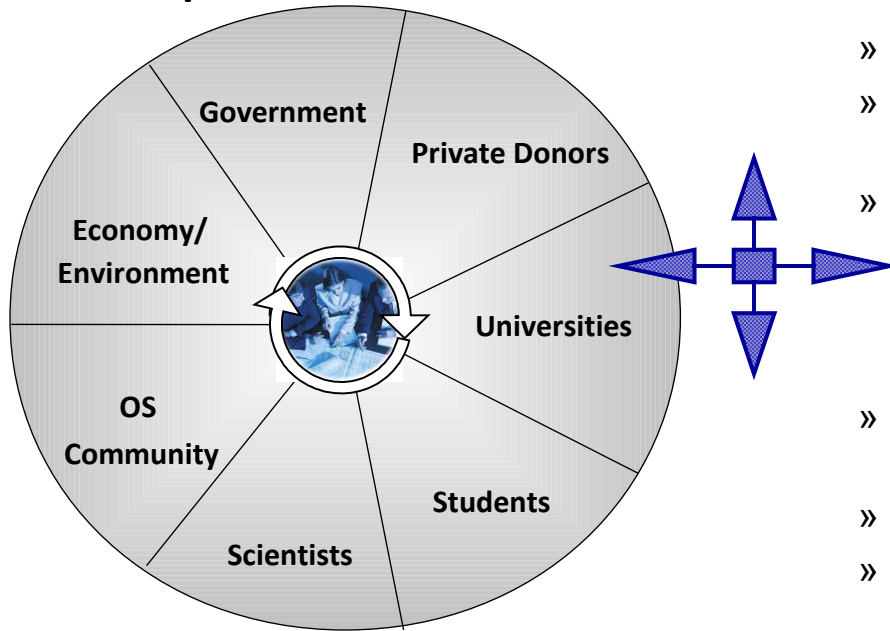
2009 Exports in US\$ million Source: CBSL Annual Report * BPO IT Estimates source: SLASSCOM

Crime Statistics > Software piracy rate (most recent) by country



Benefits of LSF

Sphere of Influence



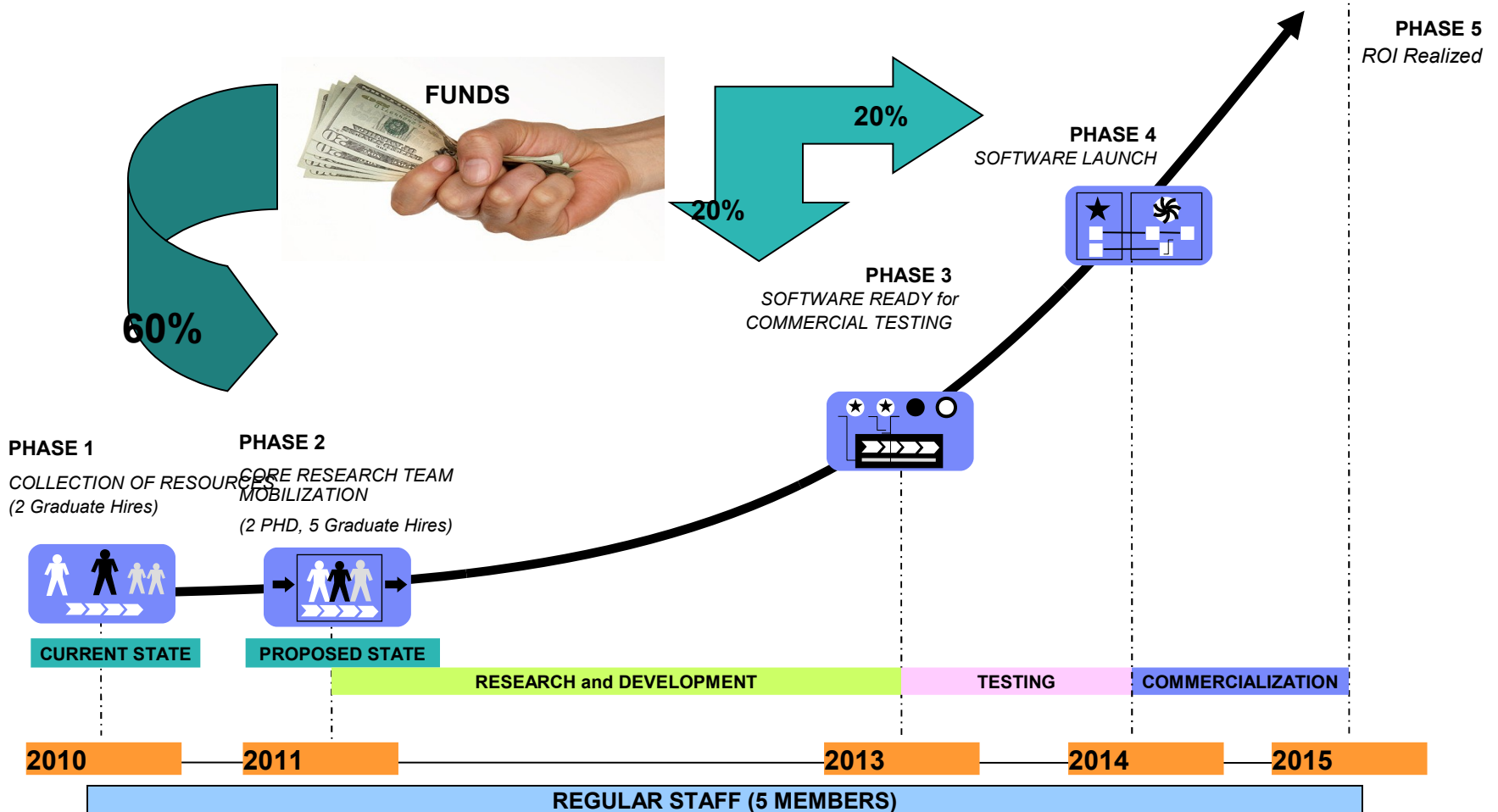
- » Open Source as a driver to position Sri Lanka as a **niche player** supporting economy and ICT world
- » **Experienced OS** scientists at Board of Directors
- » Support the development of an **emerging economy** in Asia (Nanotec, Biotec,...)
- » Existing **world class R&D** facilities which will attract:
 - » Foreign **investors**
 - » Foreign students & scientists
 - » Foreign **dollars**
- » **Successful research projects** executed by A+ grad students
- » **Reputed** & connected Board of Director
- » Strategy to **prevent Software piracy** and respect intellectual capital
- » Collaboration and connection with **well reputed global scientists**
- » Focus on high-tech research to have a **long-term development in Sri Lanka**
- » **Advocacy** for higher education (PhD, Masters etc.) of talented local students

LSF Fellow Profile : Srinath Perera

- » Started as an Intern for LSF in 2004 – Axis 2 project.
- » Completed his PhD., in Computer Sciences from the Indiana University Bloomington 2009.
- » Completed his dissertation on Distributed Systems Management.
- » He received his bachelor's degree from University of Moratuwa Sri Lanka and Masters from Indiana University.
- » Contributed to Apache projects, especially Apache Axis2.
- » Currently employed at WSO2 and LSF.

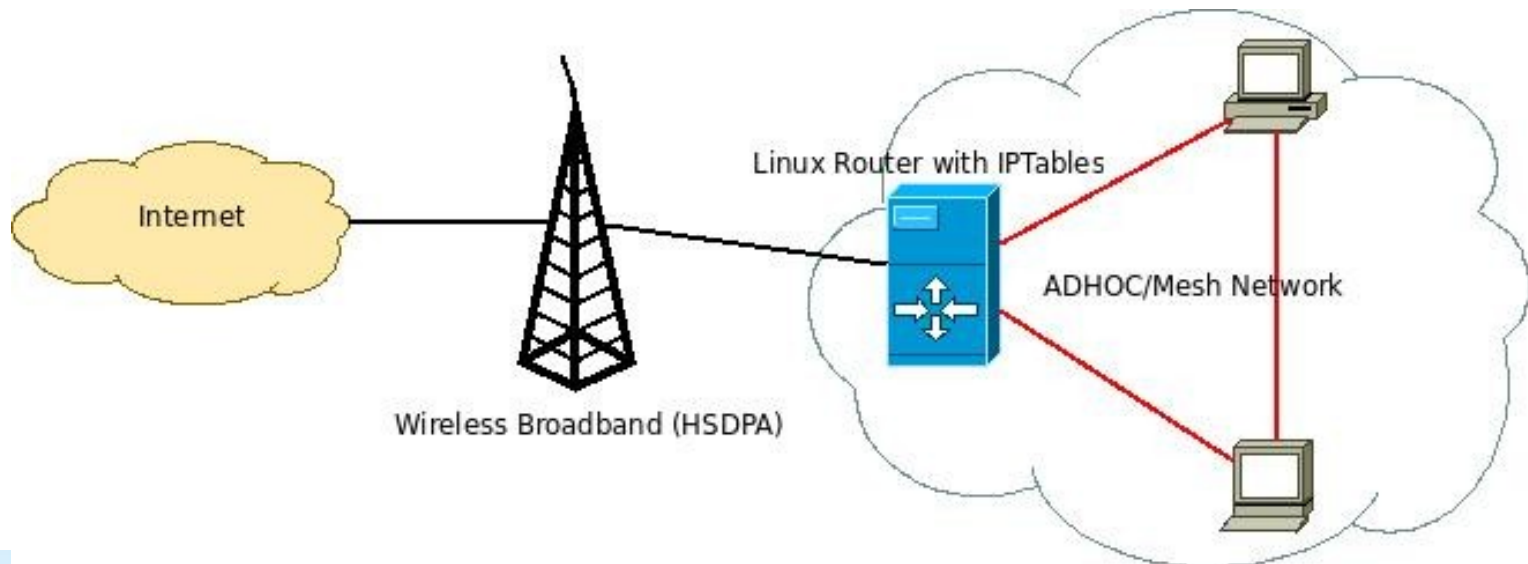


Invest now to generate ROI in 5 years....



Current Project : Dalesa Peer-to-Peer Web Cache

- » P2P Framework and web cache.
- » Funded by ICTA as part of the e-Society grant.
- » Dalesa helps save bandwidth by saving a copy of the web pages you browsed – locally.
- » Won special mention award at e-Swabhimani Awards 2009.
- » Papers published at e-Asia 2009 and ICTer Conference 2010.



Current Project : eScience

- » Contributing to Open Grid Computing Environment (OCGE).
- » Funded through Indiana University, Bloomington.
- » The objective is to build a cyber infrastructure that will help scientists with their research.
- » This infrastructure enables scientists to : -
 - » Visually model their computational experiments.
 - » Execute them using computational resources (eg : - GRID)
 - » Monitor these executions
 - » Track, store and search data and results.
- » Application domains are : -
 - » Atmospheric Science
 - » Polar Science
 - » Bioinformatics , etc.



Current Project : Ninithi

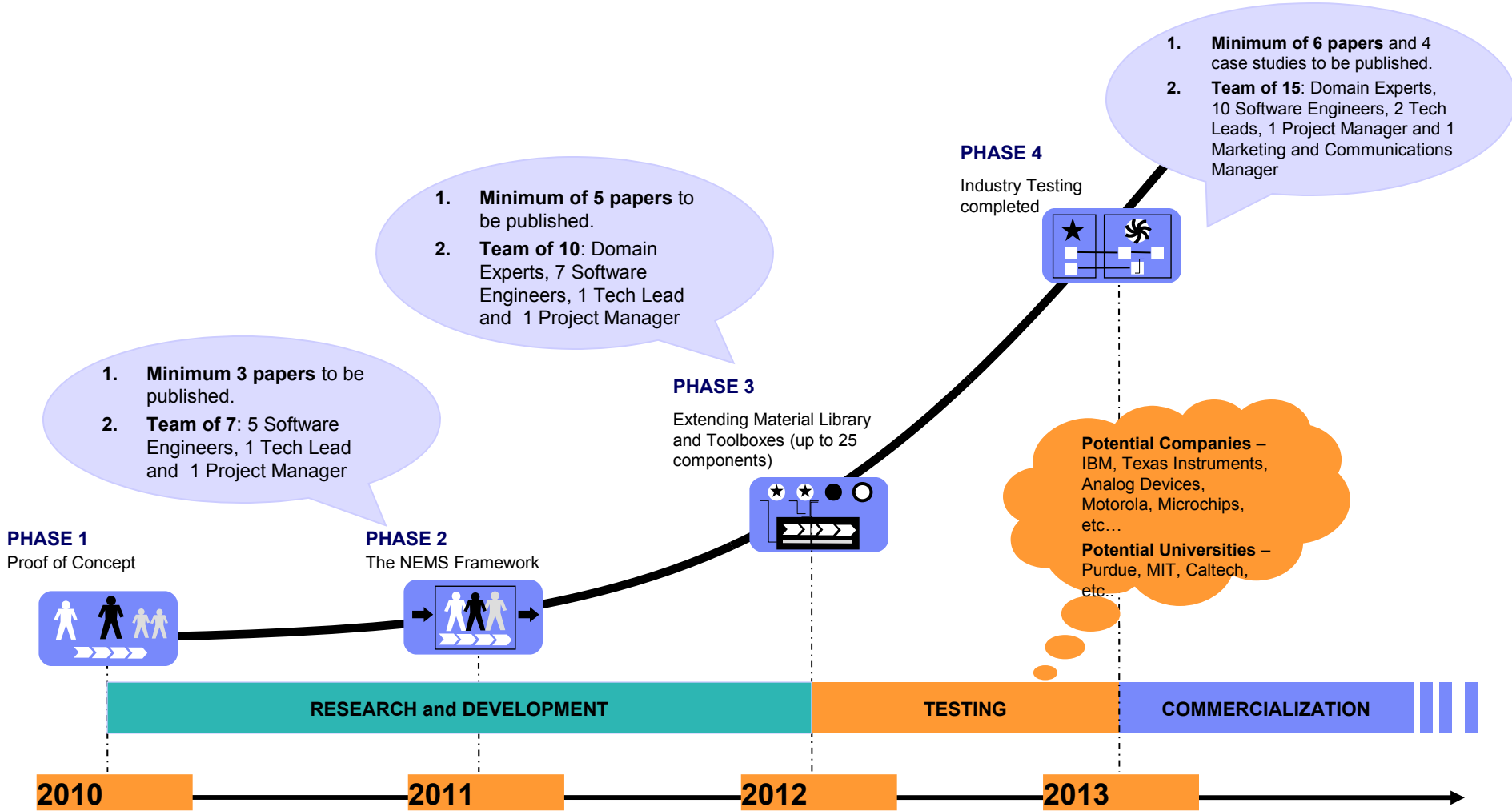
3D Modelling and Simulation Software

- » Funded by Lanka Software Foundation
- » Endorsed by SLINTEC
- » The objective is to develop an open source modelling and simulation software that helps nano scientists, students and lecturers with their research
- » The Ninithi infrastructure enables scientists to:
 - » Visualize and analyze nano-structures
 - » Reduce research and development time
 - » Compute band structure plots
 - » Store the models as image files
- » Application domains are:
 - » Automobiles
 - » Consumer Electronics
 - » Sensor Design, etc..



Three year Roadmap for a Project: Example Ninithi

Future of Ninithi software from development to a new company



Contact Us

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