

Grid – Distributed Computing at Scale

Mark Linesch - President, Open Grid Forum
Hewlett Packard

New world of distributed computing

Old World

Static

Silo

Physical

Manual

Application



New World

Dynamic

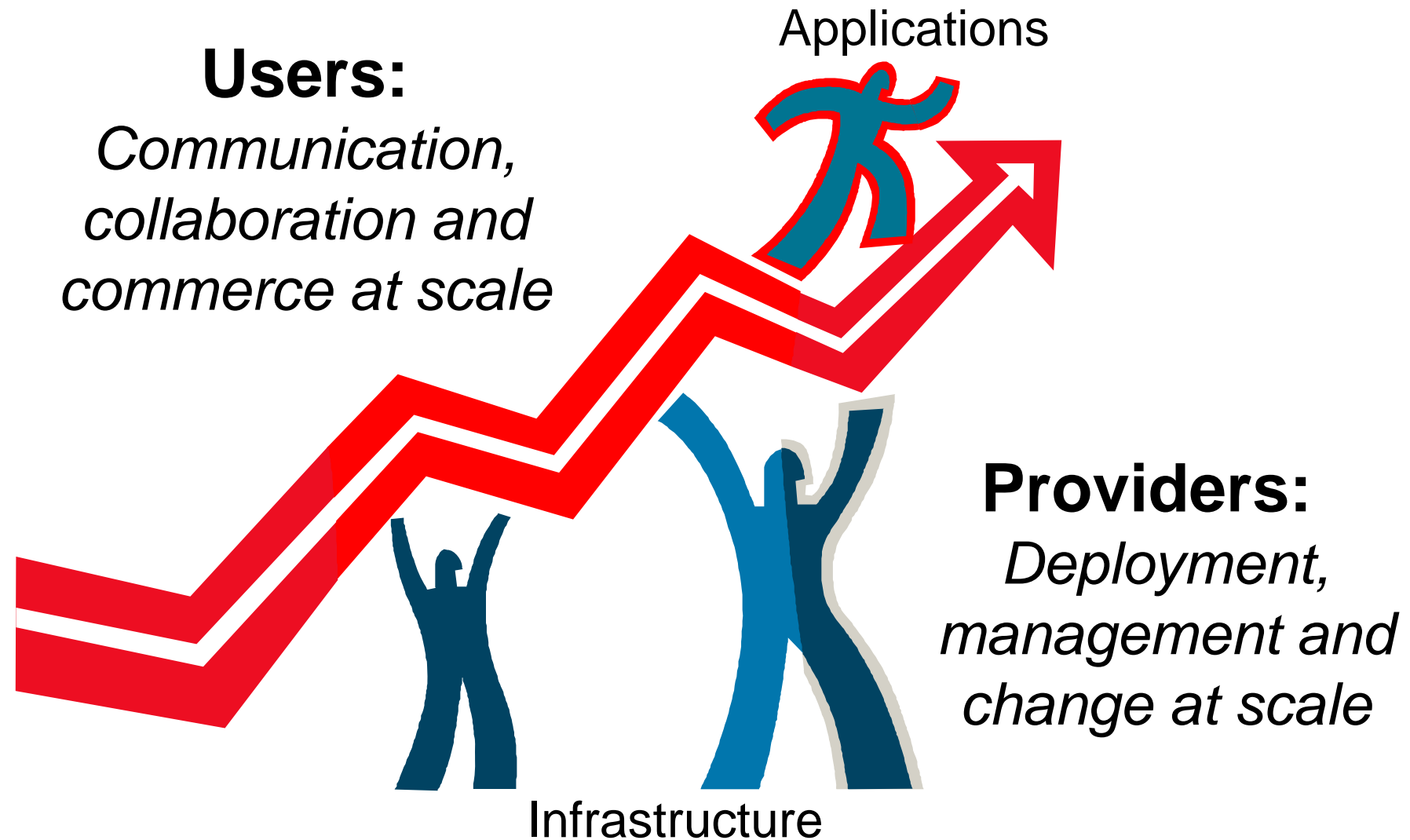
Shared

Virtual

Automated

Service

A new world of opportunity and challenges



Grid – distributed computing at scale



Build *at scale*



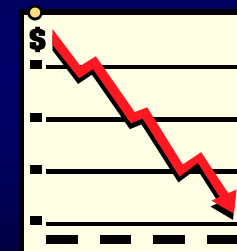
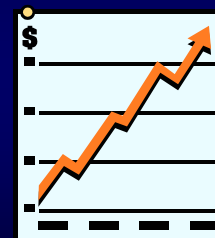
Operate *at scale*



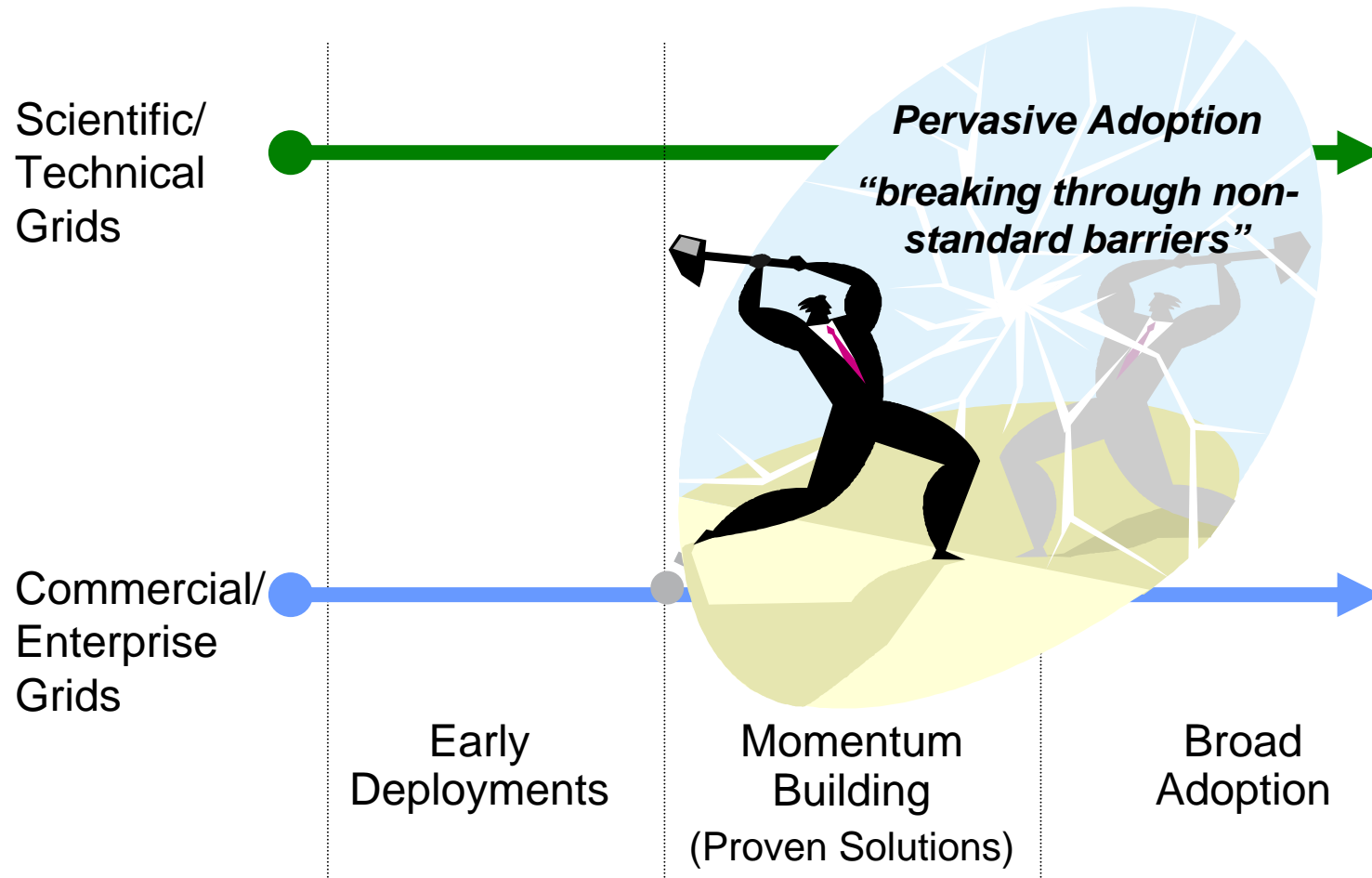
Manage *at scale*



Change *at scale*



Adoption is progressing in stages



Adoption Organizational Perspective

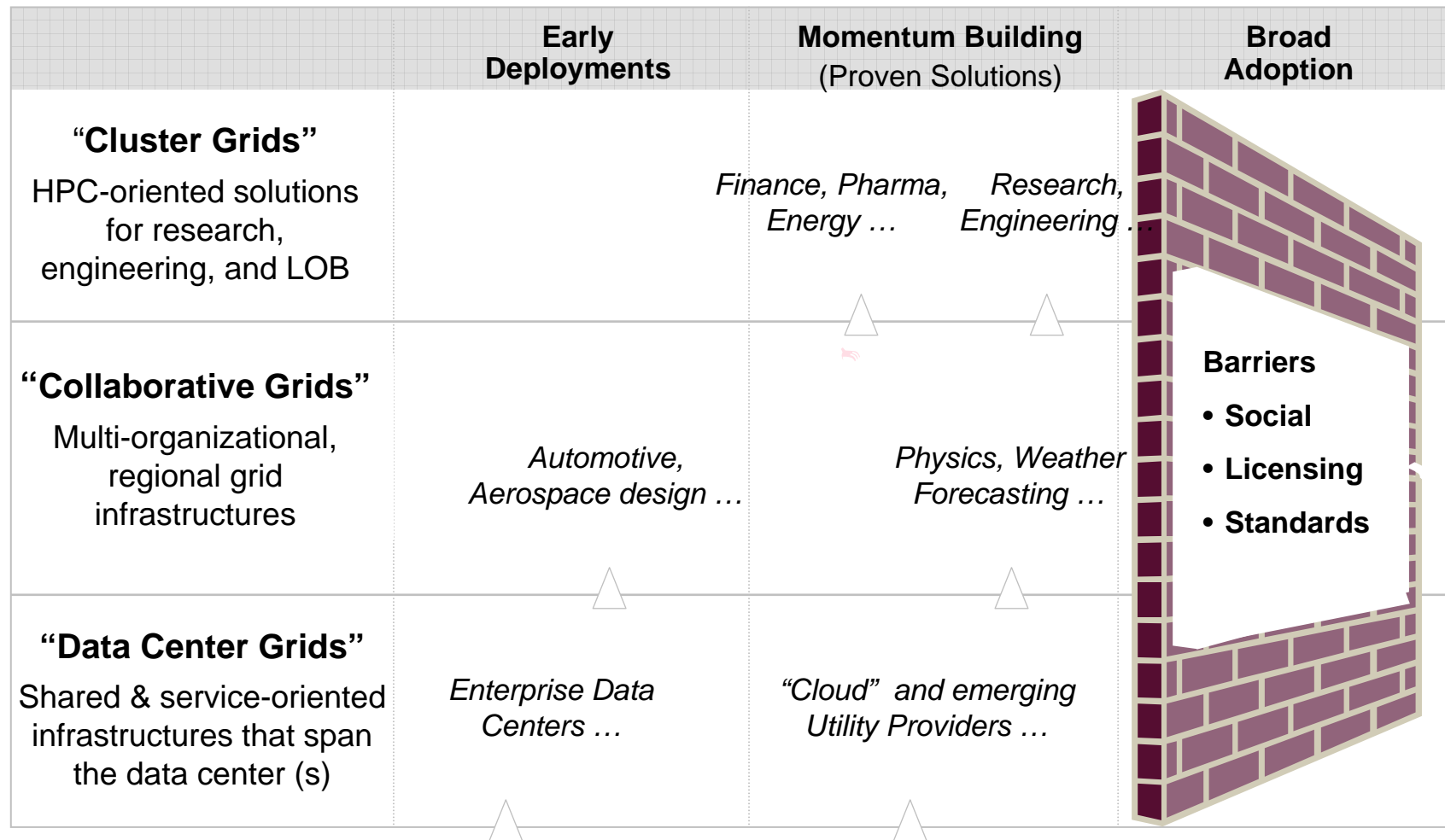


- Level 5** Multiple applications on linked grids, with more extensive resource sharing, looking at broad enterprise applications
- Level 4** Multiple applications on basic linked grids, with limited resource sharing and centralized control
- Level 3** Multiple applications on silo'd grids, operated by lines-of-business
- Level 2** Single application run in single line-of-business
- Level 1** Trials/Proof of concept

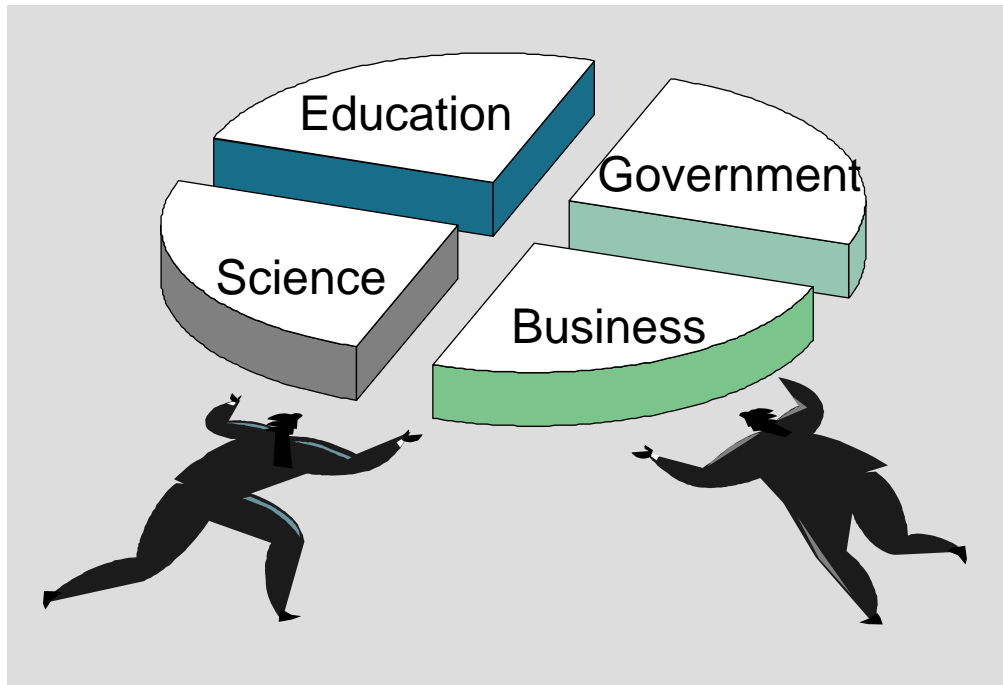
Source: 451 Group, January 2007

Grid Computing - The State of the Market

Adoption Industry-wide Perspective



Open Grid Forum



Community of users, researchers, developers, and solution providers dedicated to the acceleration of grid adoption worldwide

100's of volunteers, 300 organizations, 50 countries

Mission – accelerate adoption



Open Forum for grid
innovation and outreach

Open Standards for grid
software interoperability

Open Grid Forum Announces Worldwide Affiliate Program and First Five Affiliate Members

CHICAGO, Ill., February 12, 2007 -- The Open Grid Forum (OGF) today announced its worldwide OGF Affiliate Program and the first five organizations participating in the program including: Grid Consortium Japan, Grid Forum-Netherlands, Grid Forum-Korea, The Israeli Association of Grid Technologies (IGT), and Grid Forum-Singapore....

HPC Industry Leaders Demonstrate Interoperability Using Open Grid Forum Specifications

Supercomputing 2006 Conference -- TAMPA, Fla., Nov. 13, 2006 - The Open Grid Forum (OGF) today announced its interoperability demonstration at the Supercomputing 2006 (SC06) conference showing the work being done towards interoperable High Performance Computing (HPC). The demonstration involved compute clusters processing various HPC applications submitted via OGF's Open Grid Services Architecture (OGSA™) HPC Profile draft specification, which leverages common Web Services specifications and existing OGF standards ...

Wanted ... a few good users,
developers, providers ...



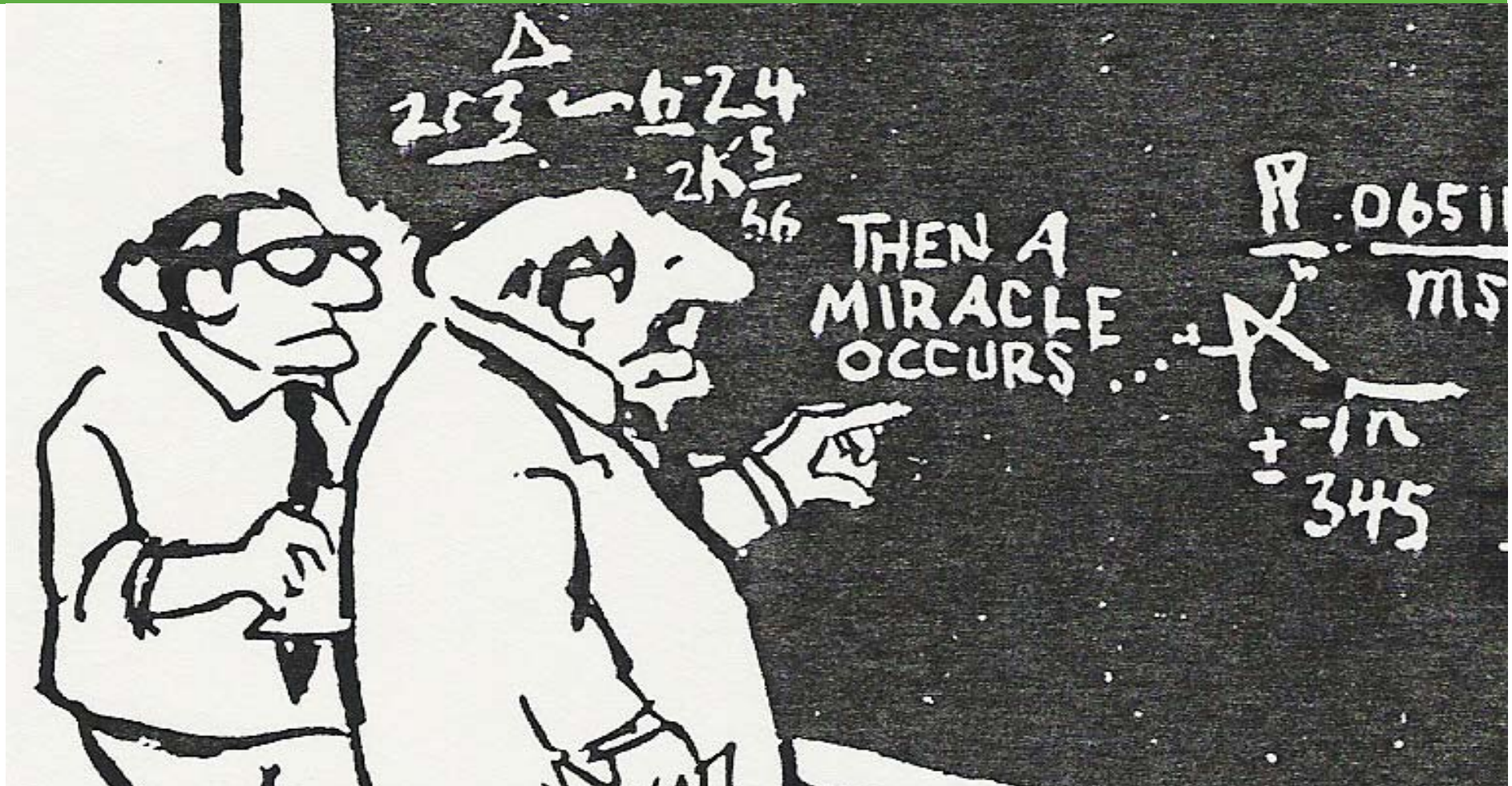
Journey to exciting
new destinations

Meet interesting
colleagues

Experience the thrill
of victory and the ...

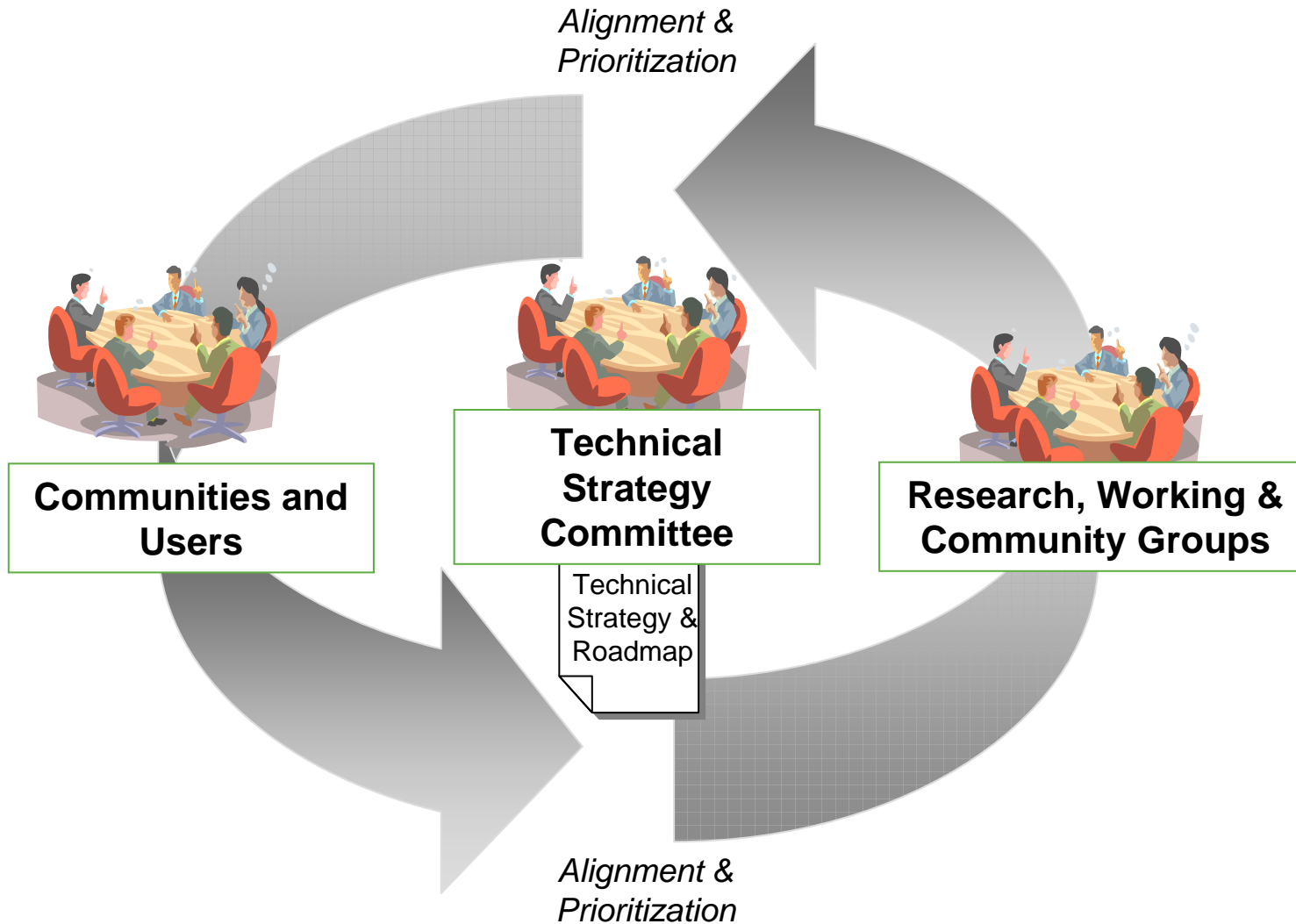


... to help us with our mission

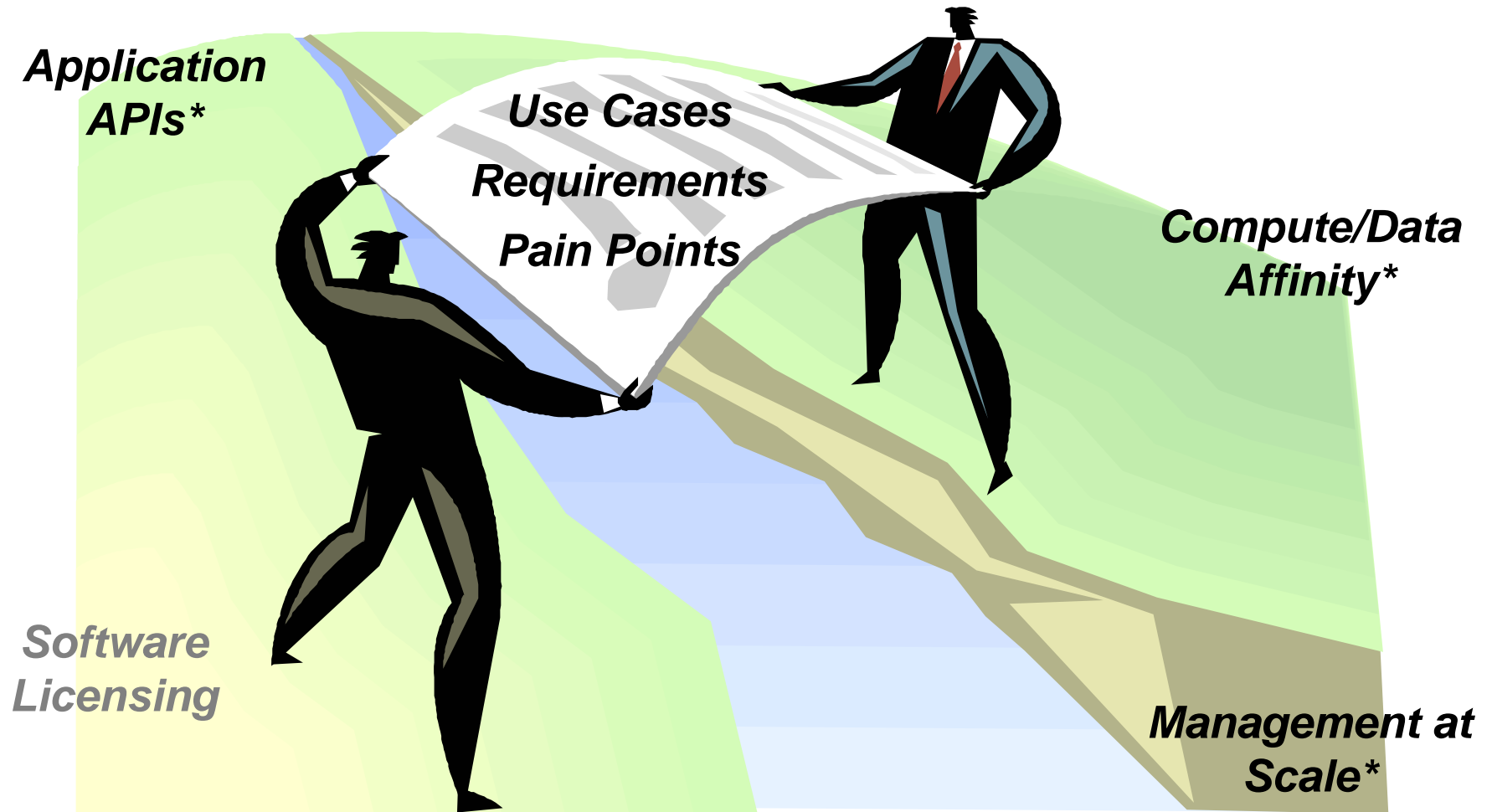


"I think you should be more explicit here in step two"

Through engaging in our open community processes ...



Sharing your insights



***Top issues from Financial Industry Requirements Summit at OGF20 in Manchester, UK**

And commenting on our
perspectives and directions ...



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An overview of Grid and
the Open Grid Forum

Technical Strategy for the Open Grid Forum

2007-2010

The Open Grid Forum

Accelerating grid adoption



- **Open** Forum
- **Open** Standards
- Opening doors to ...
 - Business Value
 - Scientific Discovery



Thank you!

Contact



Toshihiro Suzuki for Asia-Pacific (including Japan)

Toshihiro.Suzuki@oracle.com

