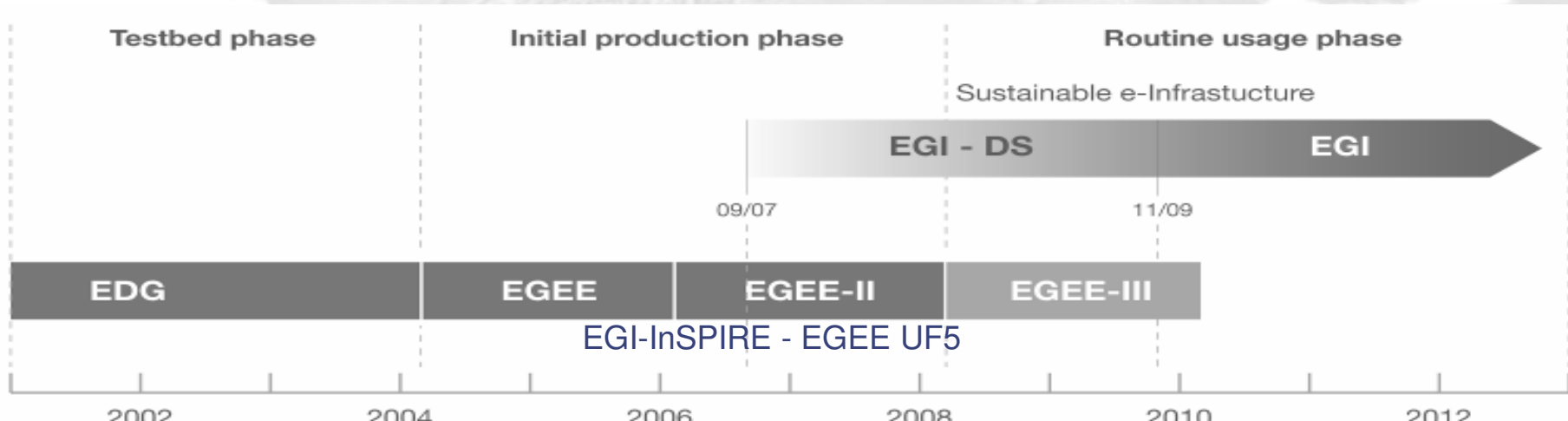


# The EGI-InSPIRE Project: Community Interaction

Steven Newhouse  
EGI-InSPIRE Project Director

# European e-Infrastructure

- **European Data Grid (EDG)**
  - Explore concepts in a testbed
- **Enabling Grid for E-sciencE (EGEE)**
  - Moving from prototype to production
- **European Grid Infrastructure (EGI)**
  - Routine usage of a sustainable e-infrastructure

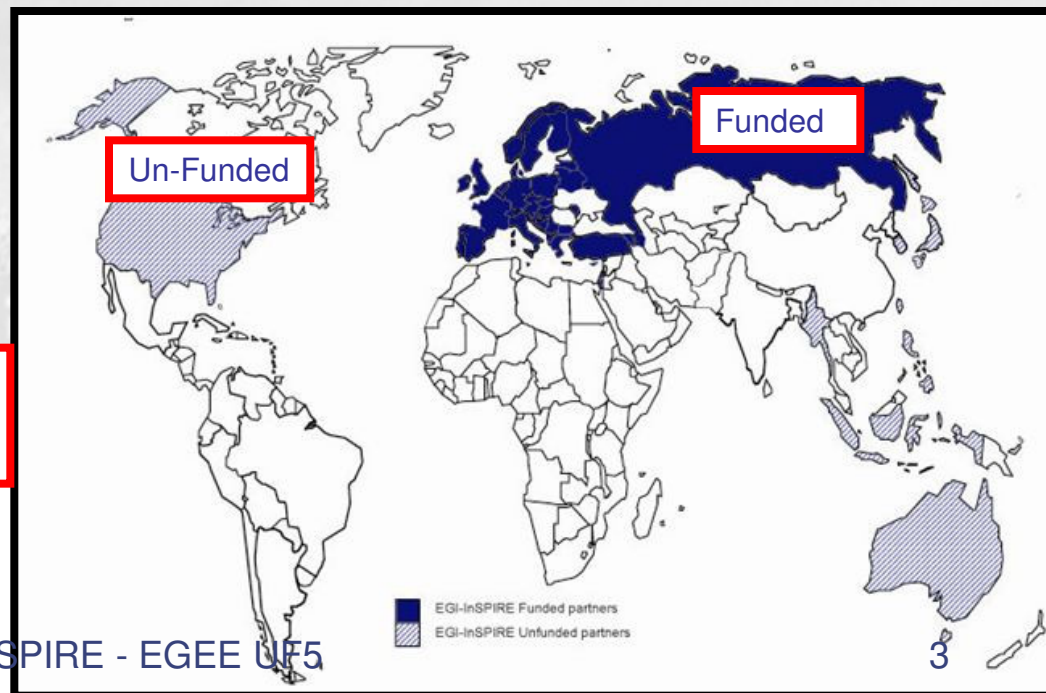


# The EGI-InSPIRE Project

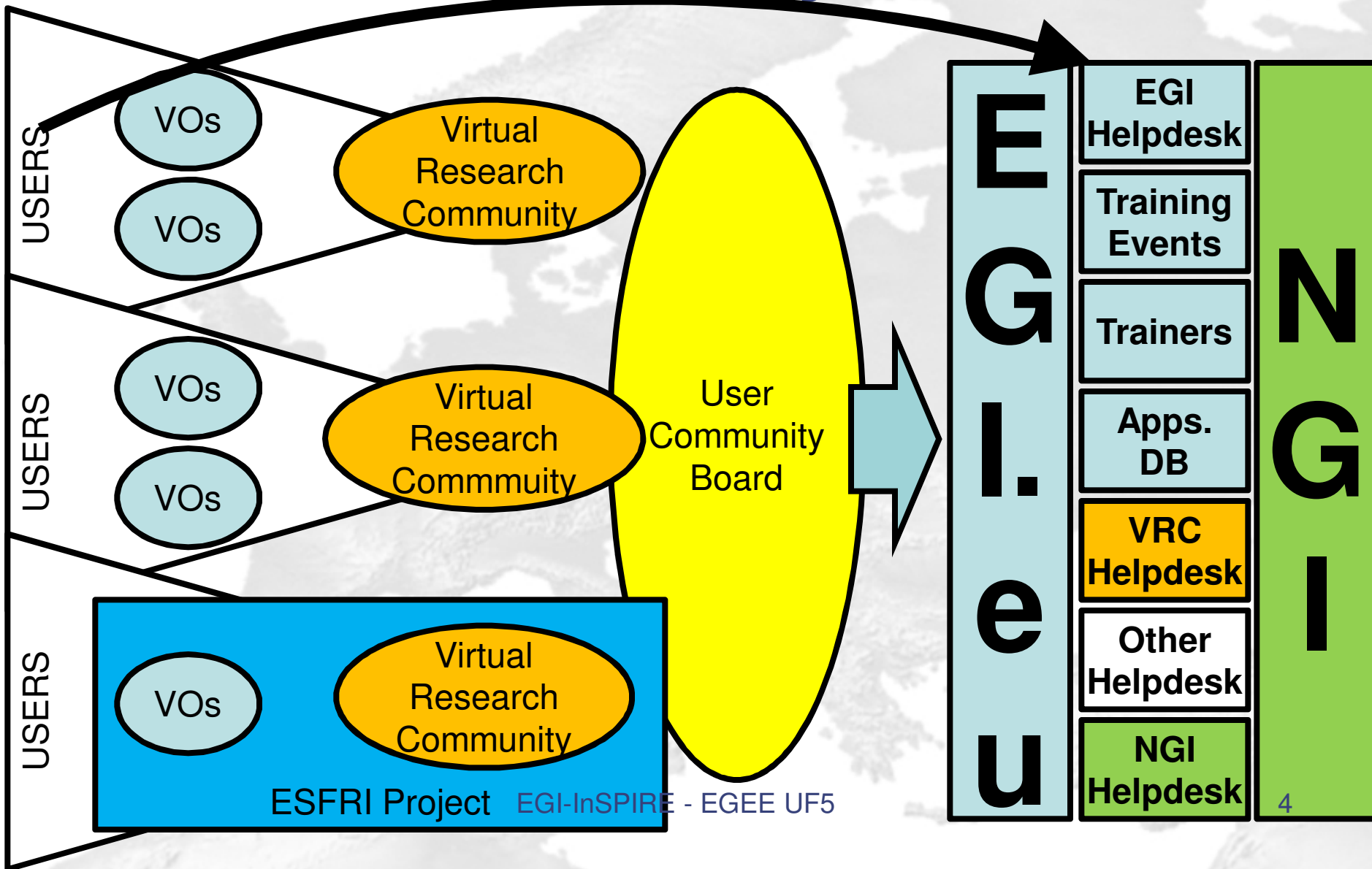
**I**ntegrated **S**ustainable **P**an-European  
**I**nfrastructure for **R**esearchers in **E**urope

- A 4 year project with €25M EC contribution
  - Project cost €69M
  - Total Effort ~€330M
  - Staff ~ 170FTE

Project Partners (48)  
 EGI.eu, 37 NGIs, 2 EIROs, 8 AP



# Scalable Community Interactions



# VRC Characteristics

- **International Existence & Governance**
  - A research community that spans borders
  - Ability for groups to join and leave
  - e.g. ESFRI, EIROForum, Collaboration, etc.
- **Sustainable beyond just a funded project**
- **Engagement with EGI**
  - Resources, Policies, Planning, ...
- **May provide community specific support**
  - Dissemination, Training, Application Porting, ...

# Community Input

- Focal Point
  - Chief Community Officer (CCO)
- Strategic VRC representation
  - External Advisory Committee
- Technical VRC representation
  - User Community Board (previously UFSC)
    - **Use of the infrastructure**
  - User Services Advisory Group
    - **User use of the operational tools**

# User Support & Services

- Support User Communities
  - Researchers in International Collaborations
  - Scale up from the single VO to a community
- Provide a federated Helpdesk linking:
  - Discipline specific support (e.g. Bio Apps)
  - National infrastructure support (e.g. NGS)
  - Generic services (e.g. Training)
- Provide core services to support users
  - Manage VOs, Application DB, Training DB

# Training Events

## NA3: Training Events and Registration

Search Events by Title

[Advanced Search](#)

Search

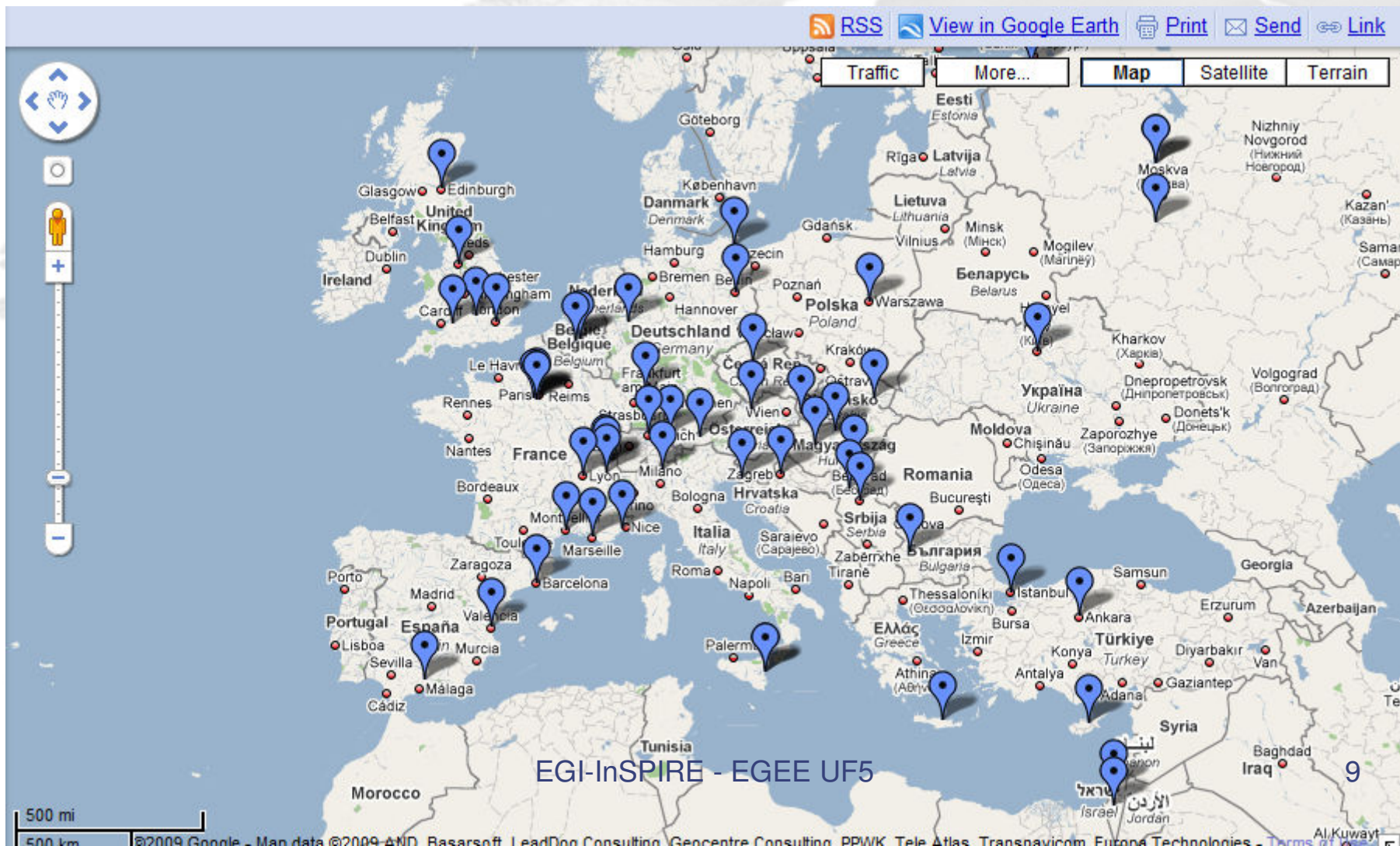
Page 1 of 33  
 Displaying Results 1 to 20 of 654

Results page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#) [33](#) ▶▶

No	Title	Location	Dates	Summary/Registration
1.	<a href="#">An Introduction to gLite</a>	Online, eLearning	<a href="#">30 October, 2009</a>	<a href="#">Registration</a>
2.	<a href="#">Organising &amp; Running an EGEE Training event</a>	Online, eLearning	<a href="#">30 October, 2009</a>	<a href="#">Registration</a>
3.	<a href="#">GCCP2009 - the 5th International Workshop on Grid Computing for Complex Problems</a>	Bratislava, Slovakia	<a href="#">26 - 28 October, 2009</a>	
4.	<a href="#">gLite Tutorial for Users and application developers</a>	Madrid, Spain	<a href="#">26 - 30 October, 2009</a>	
5.	<a href="#">Hands-on Using P-GRADE portal in BEgrid</a> EGI-InSPIRE - EGEE UF5	Brussels, Belgium	<a href="#">23 October, 2009</a>	8
6.	<a href="#">Seminar for system administrators of Grid sites</a>	Gatchina, Russia	14 October, 2009	



# Registry of Trainers



EGI-InSPIRE - EGEE UF5

# Applications Database

<http://appdb.eu-egee.org>

EGEE Applications

Home User Download Admin

You are in: Region: EGEE >> User >> Registry

Records shown 10 of 220

Custom Filter  All Fields  Whole words only

Apply Filter

Reset Filter

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 Next >>

	<u>Id</u>	<u>Logo</u>	<u>Acronym</u>	<u>Application Name</u>	<u>Discipline</u>	<u>Sub-Discipline</u>	<u>Description</u>
<a href="#">View</a>	48		LAWEF-GRID	Limited Area Weather and Environmental Forecasting on a Grid Platform	Earth Sciences	Meteorology	This applicat warnings relat events. Such approached weather fore periods (18 h the concept c integrated on km) covering Mediterranean computational fashion unde

Id	87
Logo	
Acronym	ISDEP
Application Name	Integrator of Stochastic Differential Equations for Plasmas
Discipline	Fusion
Sub-Discipline	Statistical mechanics
Description	The purpose of this code is solving the collisional transport in fusion plasmas using the equivalence between the Fokker-Planck and Langevin equation (Stochastic Differential Equation). Although in principle it solves the linearized kinetic equation, we include non linear terms using an iterative method. Several features can be taken into account in the equations, for example the presence of divertors and ion heating (ICH and NBI). This code has been successfully used in the TJ-II stellarator (CIEMAT) and is currently working with ITER. As it is a Monte Carlo sequential code, it scales perfectly in clusters with slow connections between nodes. ISDEP has been ported to the EGEE grid and Ibercivis, a volunteer computing platform. It has also been used in int.eu.grid project as computing core for interactive visual fusion simulations (IVISDEP) and is taking part in other grid projects like EDGeS and EUFORIA. The main advantages of ISDEP is the absence of common approximations assumed in other codes. For example, there is no assumption in the complexity of the system geometry.
Scientific Contact	<a href="#">View ...</a>
Web Site	
Region	SWE
VO	fusion

# EGEE RESPECT → EGI

- Identify third-party software that works well with Grid
  - gLite: <http://technical.eu-egee.org/index.php?id=290>
  - Expand to include UNICORE, ARC, Globus, ...
- Simplified Access
  - P-GRADE, Ganga, Migrating Desktop, g-Eclipse, i2glogin, Virtual Control Room
- Workload Management
  - GridWay Metascheduler, DIANE
- New Resources
  - GRelC, Instrument Element
- Infrastructure Services
  - StoRM



# Other User Facing Services

- **Dissemination**
  - With NGIs & VRCs and other projects
  - Case studies of users, applications & communities
- **Events**
  - Annual meeting: ‘Users of European E-Infrastructure’
- **Coordinated support from with EGI.eu & NGIs**
  - Deployed Middleware Support
  - Application Consultancy
  - Requirements for operations and software

# This Session

- **Operations Support**
  - User facing interface to operations
- **Technology Support**
  - Deployed Middleware Support Unit
- **Evolving the ‘Heavy User Community’**
  - Sustain the current infrastructure use