

Benefits of using Plone in the Institute of Mathematics, UNAM



Gildardo Bautista
gil@matem.unam.mx



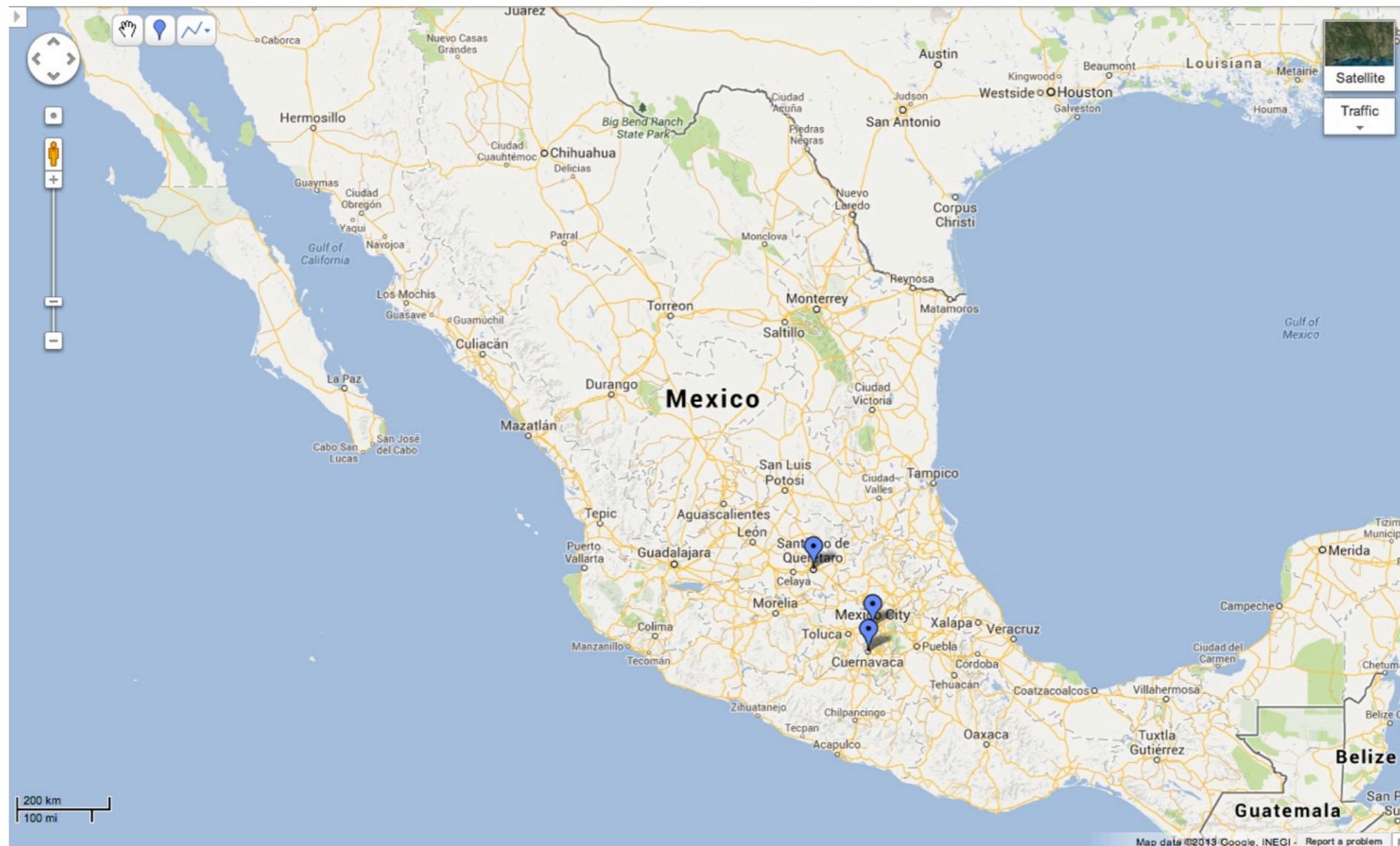
Who are we?

- UNAM (National Autonomous University of Mexico)
- The University Includes high-schools, undergrad colleges, graduate schools, research Institutes
- Over 40% of Mexican research takes place in the University
- We are an Institute, which main activity is research and teaching



Who are we?

The institute have three campuses that are located in different states.



Users

- Researchers
- Postdoctoral
- Students
- Technician Staff
- Administrative Staff

Services

- Manage User personal information
- Provide researchers CV information management
- Generate individual activity reports
- Generate Institutional activity report

Services

- Manage expenses (travel, visitors)
- Manage application forms (students)
- Diffusion of academic activities
- Web site

Background

For some time (2006 - 2013) we have been using Plone as the main CMS for the Institute site.

- First version uses Plone 2.1
- Second version uses Plone 3
- Third version will use Plone 4.3

Why upgrade?

- **Stability:** codebase improvement and bugs fixing
- **Functionality:** new features, such as new editing tools and configuration options
- **Support**
- **Add-on Products**

Upgrade - Plone 2.1 to Plone 3

Some products were no longer maintained.

When this happens there are two options, maintain the product or look for a better one.

Replacing a products implies a migration step.

- *custom script*
- *collective.transmogrifier*

Upgrade - Plone 2.1 to Plone 3

Took too much time developing and testing custom scripts.

Collective.transmogrifier import and export data easily.
New content is created in the Database (Data.fs)
which takes some time.

Upgrade - Plone 3 to Plone 4.3

Using Plone upgrade facilities saves you a lot of time.
Follow “Plone Upgrade Guide” instructions, they are very straightforward.

Upgrade - Plone 3 to Plone 4.3

When a problem occurs during upgrade:

- Check log files
- Test without customizations
- Test without products
- Ask for help on a mailing list

Upgrade - Plone 3 to Plone 4.3

- Take care of possible Local Persistent Utilities

wildcard.fixpersistentutilities

@@fix-persistent-utilities

- Products that leave persistent utilities

LinguaPlone

p4a.subtyper

Upgrade - Plone 3 to Plone 4.3

Once the Plone upgrade pass, fix your products and add upgrade steps as necessary.

- *profiles/default/metadata.xml*
- *configure.zcml* (*genericsetup:upgradeStep*)
- *upgrades.py*

User management

FacultyStaffDirectory

- It has principally been developed for personnel directories in educational institutions (Weblion).
- Provides content types for creating and organizing details of people.
- It integrates with Plone's users and group infrastructure.

User management

FacultyStaffDirectory ...

- It also provides several content types for grouping people: Classifications, Departments, Specialties and Committees.
- Supports an extension mechanism based on the *archetypes.schemaextender* library

Person

Basic Information: *Id, Password, First Name, Last Name, Image, classifications, Departments*

Contact Information: *Email, Office Address, Office City, Office State, Office Postal Code, Office Phone*

Professional Information: *Biography, Web sites, Committees, Specialties*

Employment Information: *Hire Date, Termination Date*



Person extender

- Gender, date of birth, ...
- Position history: Position, Start Date, Termination Date.
- Incentives: type, Start Date, Termination Date.

we use DataGridfield, DataGridFieldWidget to solve this user case

What do we have?

- We have a personnel Directory
- A person in the Directory is a Plone user
- We can show or hide information by classification
- Security levels for user data

[Comunidad](#)

[Investigadores](#)

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[Técnicos
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[Listado en tabla](#)



[Nils Ackermann](#)



[Gerardo Acosta](#)



[Marcelo Alberto
Aguilar](#)



[Martha Gabriela
Araujo](#)



[Hugo Arizmendi](#)



What do we have?

We are interested in answer questions like:

How many researches do you have?

How many researches are women?

How many researches are older than 45 years old?

How many researches are men and older than 45 years old?

How many researches are men work in geometry and are less than 45 years old?



User ... things to improve

- Develop a generic tool to let us construct any question and answer
(All feed back is welcome)
- Better way to track positions history
- Better way to track incentives history
- Share user information between two or more Plones sites with the same setup (or more than one fsd per site?)

Curriculum Vitae

Include all reported activities such as publications (articles, proceedings, books, chapters in books), teaching (courses, thesis, tutorship), projects, academic awards, talks, etc...

CV Content types

- Article
- Books
- Courses
- Talks
- Conferences
- Software
- Committees
- Projects
- etc...
- 30 content types

Why not CMFBibliography

We need to report more items than CMFbibliography has

We need more information on items

Article: finished, sent, accepted, published

is this article related to a project? which one?



Exhibit: Publishing framework for Data-rich interactive Web pages. MIT

EEA Faceted Navigation: very Powerful interface to improve search within large collection of items.

- Comunidad
- Investigadores
- PosDoc
- Técnicos Académicos
- Administrativos
- Becarios
- Becas y Plazas

Artículos

Elegir vista — Exportar — Enviar — Imprimir —

Artículos escritos

From Ω to ω : a Simple Bounded Quiescent Reliable broadcast-based Transformation

[Mostéfaoui Achour](#) , [Rajsbaum Sergio](#) , [Raynal Michel](#) , [Travers Corentin](#)
[Journal of Parallel and Distributed Computing](#)

—/—/—

Failure detectors in the class ensure that every crashed process is eventually suspected by a correct process, and eventually there is correct process that is never suspected. Failure detectors in the class ensure that eventually all the processes trust the same correct process. This paper presents a very simple and efficient algorithm that transforms any failure detector of into a failure detector of the class . The simplicity of the transformation is due to its modular design – it is based on ...[Leer mas](#)

Linear Space Bootstrap Communication Schemes

[Delporte-Gallet Carole](#) , [Fauconnier Hugues](#) , [Gafni Eli](#) , [Rajsbaum Sergio](#)
2013/1/10

We consider a system of n processes with ids not a priori known, that are drawn from a large space, potentially unbounded. How can these n processes communicate to solve a task? We show that n a priori allocated Multi-Writer Multi-Reader (MWMR) registers are both needed and sufficient to solve any read-write wait-free solvable task. This contrasts with the existing possible solution borrowed from adaptive algorithms that require $\Theta(n^2)$ MWMR registers. To obtain these results, t...[Leer mas](#)

Computability in Distributed Computing: a Tutorial

[Herlihy Maurice](#) , [Rajsbaum Sergio](#) , [Raynal Michel](#)
2012/9/1

What can and cannot be computed in a distributed system is a complex function of the system's communication model, timing model, and failure model. This tutorial surveys some important results about computability in the canonical

Revista

- AKCE International Journal of Graphs and Combinatorics (1)
- Computer Networks (1)
- Computer Science Review (1)
- Discusiones Mathematicae. Graph Theory (1)
- Distributed Computing (6)

[More](#)

Tipo Artículo

- All (89)
- Colección (7)
- Memoria de congreso (31)
- Revista (51)

Fecha

- 2013 (1)
- 2012 (7)
- 2011 (9)
- 2010 (9)
- 2009 (4)

[More](#)

What do we have?

- Individual activity reports
 - yearly reports
 - Promotions reports
- Institutional activity report

What do we have?

- How many Articles do we published this year?
- How many Talks do we give this year?
- How many International/National Talks do we give this year?
- How many congress do we organize?
- How many projects are active this year?

CV ... things to improve

- Clean Code
- Test Code
- Remove static lists
- Collaborate whit the community

Events: p4a.plonecalendar

- Actividades
- Coloquios
- Seminarios
- Congresos y Talleres
- Otras actividades
- Calendario**
- Coloquio
- Seminario de Análisis y Ecuaciones Diferenciales
- Seminario Victor Neumann-Lara de Combinatoria
- Seminario J.J. Charatonik de Teoría de Continuos
- Seminario de Hiperespacios

Calendario

Día | Semana | Mes | List | Past | Semanario

Junio 2013

Junio 4 **Problemas para el taller de investigación**
Salón 3
Norberto Ordoñez Ramirez, martes 4, 12 horas

Mayo 2013

Mayo 30 Seminario Guillermo Torres de Topología y Geometría
Una deformación exótica del espacio hiperbólico real.
Salón de Seminarios Graciela Salicrup
Pierre Py (Univ. Strasbourg & CNRS), Jueves 30 1pm Salón Salicrup

Mayo 28 **Problemas para el taller de investigación**
Salón 3
Rocio Leonel, martes 28, 12 horas

Mayo 23 **Seminario de Análisis y Ecuaciones Diferenciales**
Propiedades de unicidad y decaída de soluciones de ecuaciones dispersivas.
Graciela Salicrup
Gustavo Ponce, (Universidad de Santa Bárbara, California) -Jueves 23 de mayo de 2013, 11:00 hrs.

Mayo 21 Seminario de Categorías
SGA 4 (13)
Martes 21 de Mayo de 2013, 17:00 horas. Salón de Seminarios 2 IMUNAM

Mayo 21 **Problemas para el taller de investigación (ejemplos de límites inversos generalizados encadenables)**
Salón 3
Carlos Islas Moreno, martes 21, 12 horas

Mayo 20 **Coloquio**
Vacaciones del Coloquio
¡Nos vemos en agosto!

Mayo 16 **Seminario de Análisis y Ecuaciones Diferenciales**
Estudio de la Controlabilidad Aproximada de Ecuaciones Diferenciales Parciales Parabólicas
Graciela Salicrup
L. Héctor Juárez Valencia, Diana Assaely León Velasco (UAM-Iztapalapa)- Jueves 16 de mayo de 2013, 11:00 hrs

Mayo 14 **SGA 4 (12)**
Martes 14 de Mayo 17:00 horas, salón de seminarios 2 IMUNAM.



Solgema.fullcalendar

Application Forms

PloneFormGen

Contenidos Visualizar Editar Reglas Compartir Traducir al... Acciones Agregar elemento Estado: Borrador interno

Solicitud de Beca Nueva D.F. 2013-01

INFORMACIÓN GENERAL

A.1. Nombre
Apellido Paterno Apellido Materno, Nombre(s)

A.2. Correo electronico

A.3. Nombre asesor
Apellido Paterno, Apellido Materno, Nombre(s)

A.4. Correo electrónico del asesor

A.5. Número de cuenta

A.6. Fecha de nacimiento
-- / -- / --

A.7. Sexo
 Femenino
 Masculino

A.8. Lugar de residencia permanente
País, estado y ciudad de residencia permanente

A.9. Nacionalidad

Other packages

- `Products.Collage`
- `Webcouturier.dropdownmenu`
- `Products.LinguaPlone`

Packages for Plone 4

- `EEA.Daviz`: data visualizations
- `plone.app.multilingual`
- `collective.cover`
- `collective.mathjax`

Plone in Mexico

Almost nobody uses Plone in universities of Mexico.

All sites should follow a similar theme.

The University of Mexico has many sites that will benefit from Plone as it ships.

No site has Responsive Design.



Plone in Mexico

plonetheme.unam (Base on *beyondskins.responsive*)

