



# Introduction to Containers : Docker Welcome

**Carlos J. Barrios H., PhD.**

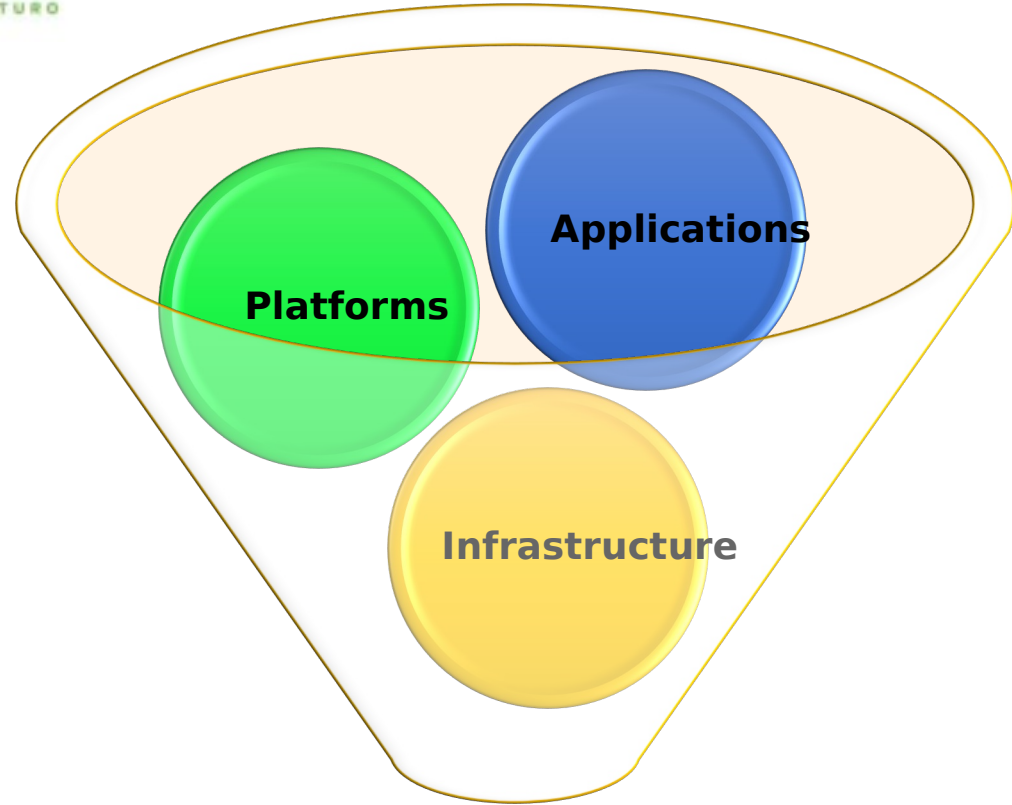
Director SC3UIS/CAGE

[@carlosjaimebh](#)

High Performance and Scientific Computing  
Guatiguara Technology Park / CENTIC Building  
Universidad Industrial de Santander, Bucaramanga, Colombia

[@sc3uis](#)





**High Performance  
(Computing) Knowledge**

Escuela de Ingeniería de  
Sistemas e Informática

# Workshop

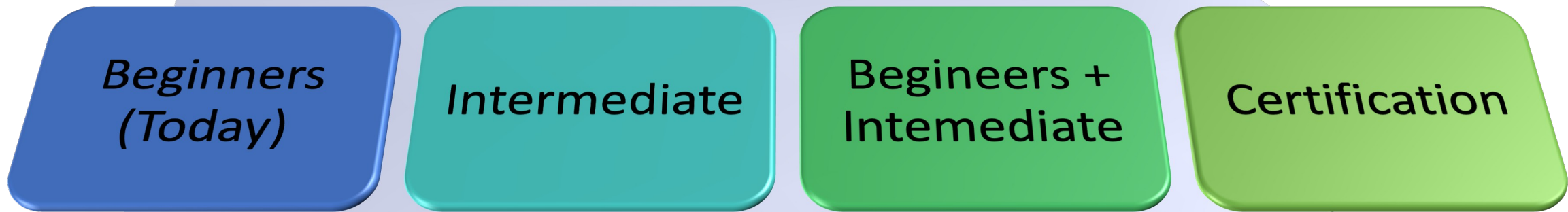
Introducción a   
docker

Jathinson Meneses M.  
Henry A. Jimenez H.

UIS Universidad Industrial de Santander  
Super Computación y Cálculo Científico UIS  
CAGE

Fecha : 11 Julio Hora : 7 p.m.

# The Containers EISI-SC3UIS/CA Certification Way



# What is SC3UI

**R+D+i  
National  
Strategic  
Areas**

**.com and  
.org**

**.gov and  
.co**

**International  
R+D+i**

**.edu**



Application  
Deployment



Scientific Software  
Development



SCI- IT Management  
Support



Strategic Mediation  
and Training



Research and  
Innovation

# What About CAGE SC3UIS?

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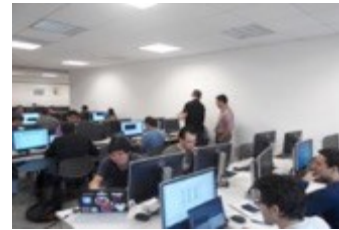
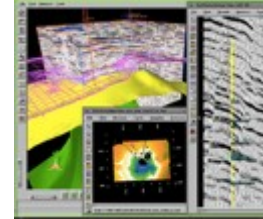
Strategic Mediation  
and Training



Research and  
Innovation

\*

\* However there are others: CICAT, GOTS, GIEMA, FICOMACO, PROMETEO, GIRC, GIC...



**Technology**

**People**

**High Level Knowledge**

**Networking and Partnership**

# Computo Avanzado y a Gran Escala Advanced and Large Scale Computing Research group

Advanced computing and large scale research group focuses on High performance computing, data analysis and software engineering (SWE) and its applications. We are interested in the foundations of this research fields and solve challenging problems.

## Research:

- High performance Computing (HPC)
- Advanced Computing
- Large Scale Data Analytics
  - Scalable Data
- Software engineering (SWE)
  - Sustainable Software Development
  - Scientific Computing

## Applications:

- Computer vision
- Data mining/science for Oil, Gas and Energy
- Bioinformatics
- Source code and software Analysis
- Healthcare
- Smart Cities



# About the workshop Leaders

## Jathison Meneses

- System Engineer at UIS
  - More than 15 year of Experience in Software Development and Progr
- Assistant Teacher at @EISIUIS
- Leader of SC3UIS Development Teams at @SC3UIS since 2014
  - Oil and Gas
  - Healhtcare
  - HMI
  - Platforms, Visualisation and Supercomputing
- Member of SIMON and SC3UIS/CAGE Research Groups at UIS



## Henry Jimenez

- System Engineer at UIS
- Master Of Sciences in Informatics Student at @EISIUIS
- Software Developper on SC3UIS Teams since 2016
  - Oil and Gas
  - Healthcare
  - Platforms and Supercomputing
- Member of SC3UIS/CAGE Research Group at UIS





# The Containers EISI-SC3UIS/CA Certification Way

## Aknowledgements

- **Jathison Meneses**
- **Henry Jimenez**
- **SC3UIS Operations and Support Engineers**
- **SC3UIS/CAGE Volunteers**
  - **Sergio Gelvez, Luis Alejandro Torres...**
- **Systems Engineering and Informatics School (EISI) - Universidad In**
- **And all of you!**



**Thanks a lot and see you at Santander...**

**Join us: [@sc3uis](#)**

**Or visit us: [www.sc3.uis.edu.co](http://www.sc3.uis.edu.co)**

