

# ¿Quiénes somos?

## Integrantes:

**Dr. Rodolfo Uñac**

**Ing. Oscar Benegas**

**Dra. Irene Ippolito**

**Dra. Ana Vidales**

**3 tesis de Doctorado  
en Física**

**2 Becarios de grado**

**2 Pasantes**



**Trabajamos desde 2003**

**2008 Montamos Laboratorio  
Producciones:**

**24 PUB. Int. 9 PUB. Actas  
+40 presentaciones Congr.**

**1 Tesis de grado (Lic. Física)**

**3 Tesis grado (Ing.)**

**8 informes técnicos a Ind.**

# ¿A qué nos dedicamos actualmente?

## Dos grandes líneas de trabajo



### **SIMULACIONES**

**Mezcla y  
segregación de  
partículas**

**Compactación**

**Drenaje**

**Estabilidad en  
apilamientos  
cuasi- 2D y 3D**

**Resuspensiones**



### **EXPERIMENTOS**

**Básicos**

**Compactación de partículas**

**Segregación por flujo**

**Resuspensiones**

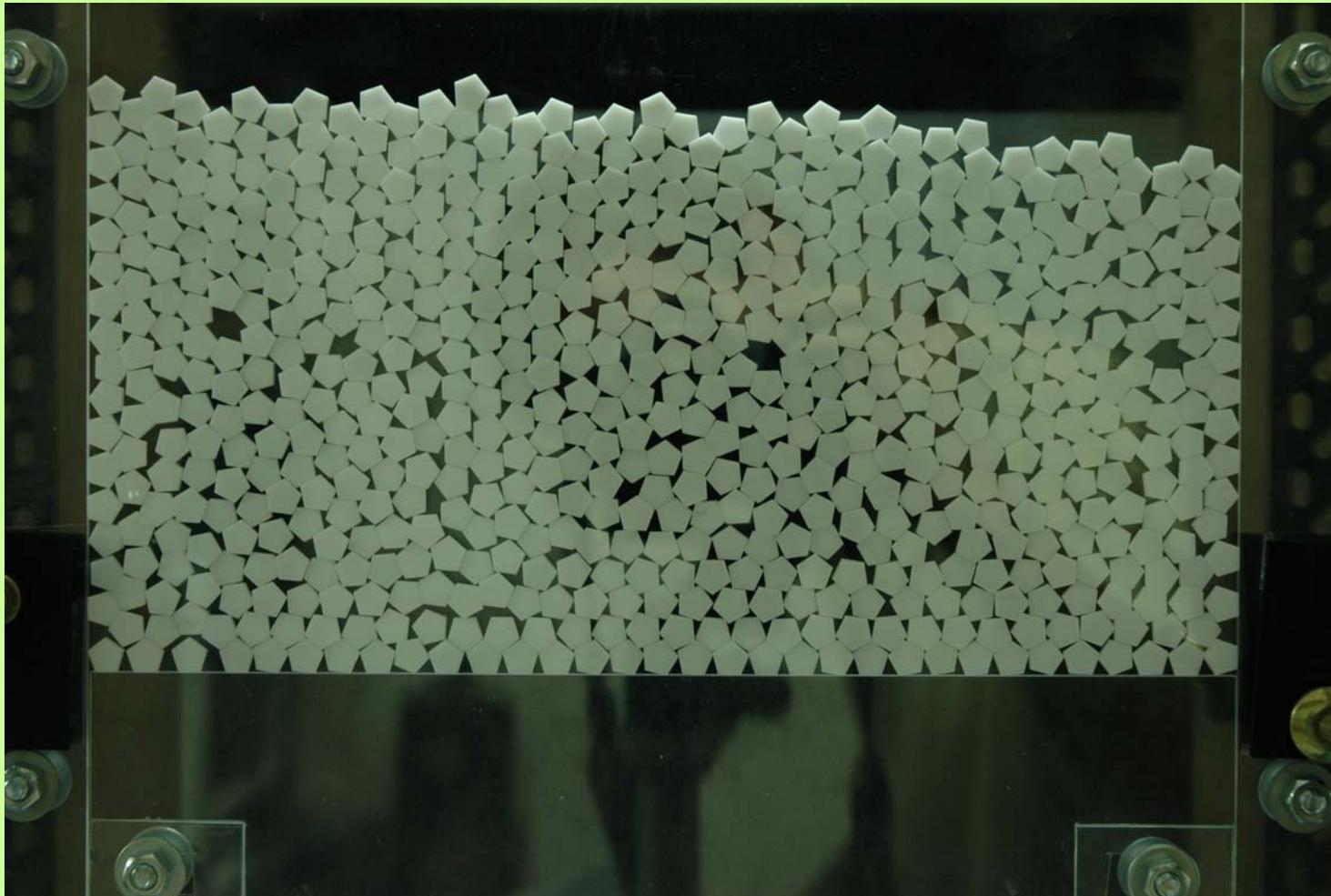
**Aplicados**

**Caracterización de áridos**

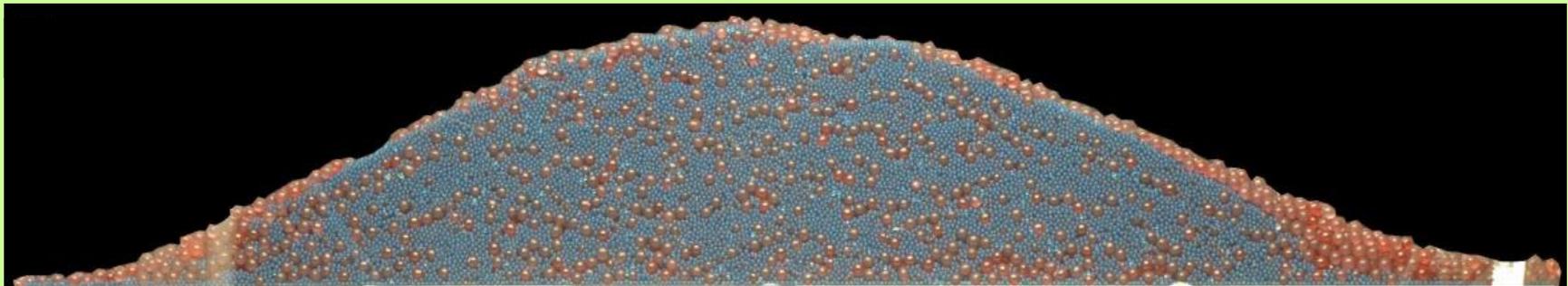
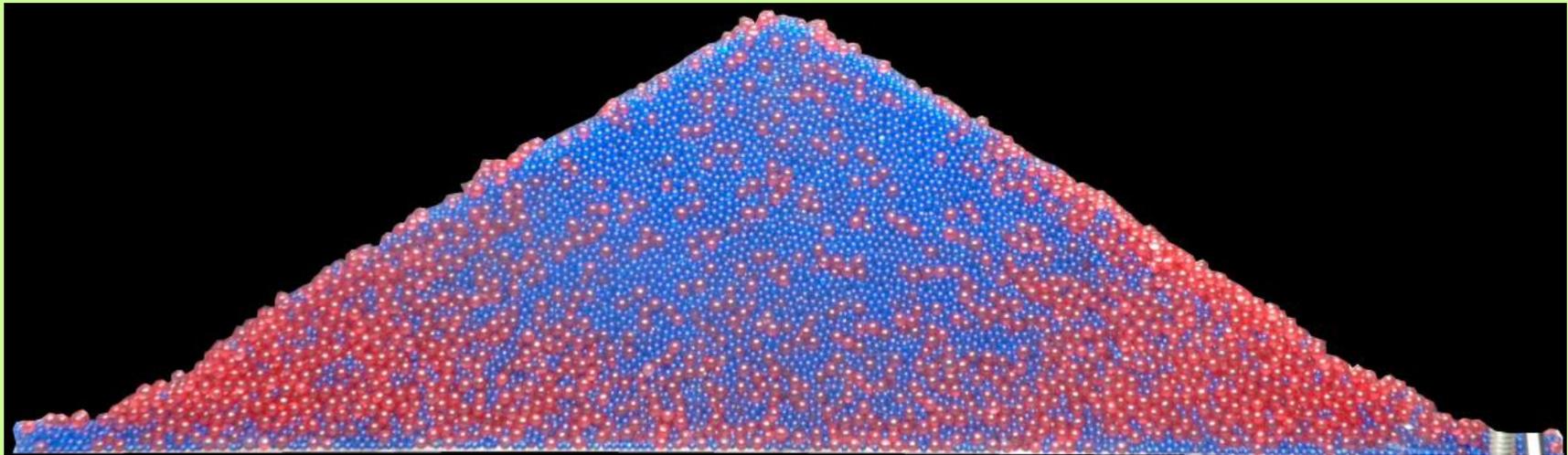
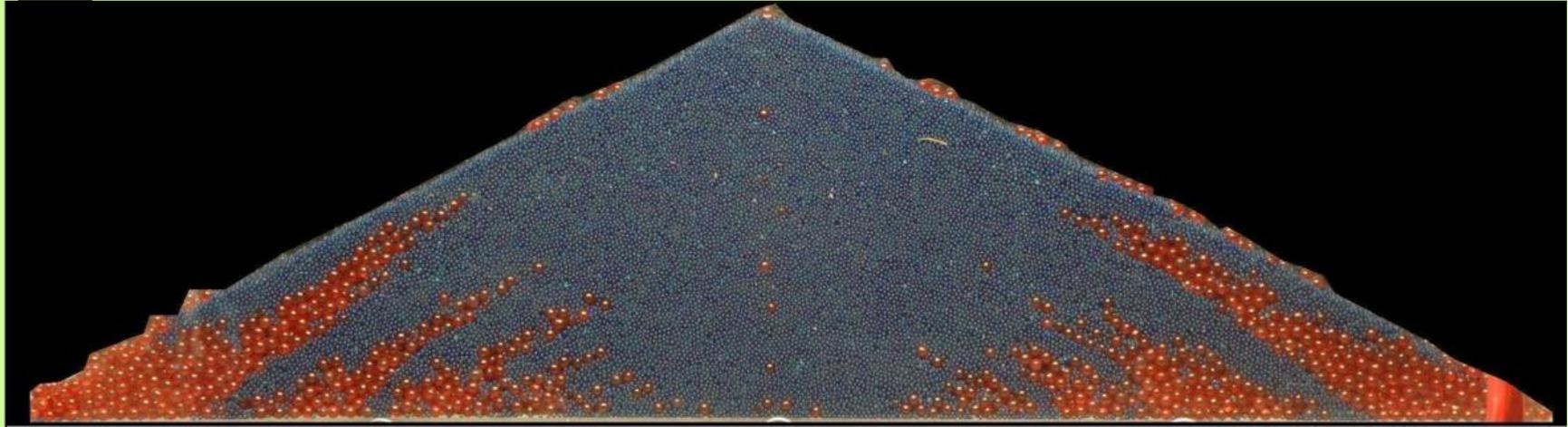
**para uso vial**

**Flujo en tolvas**

**Hormigones**

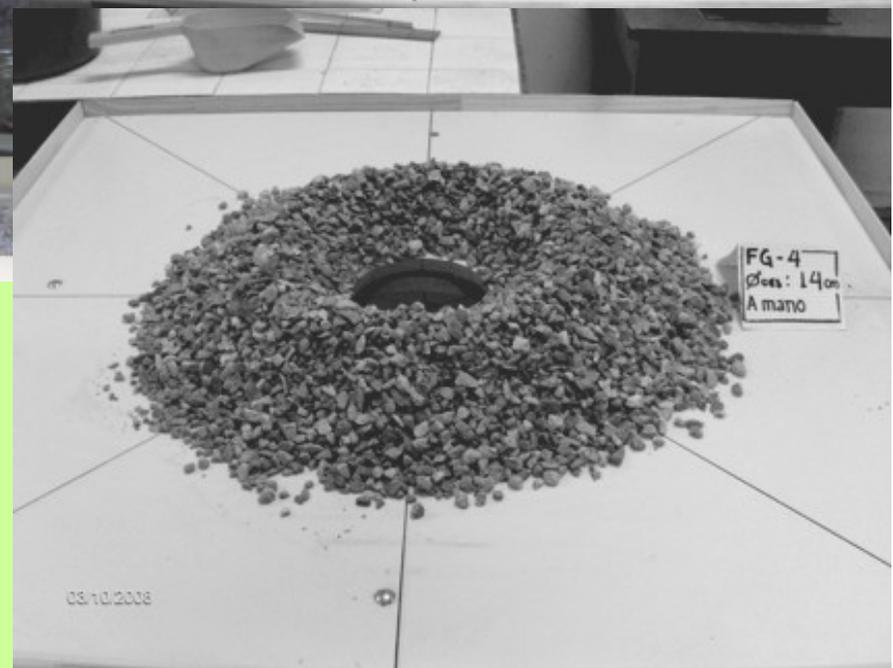
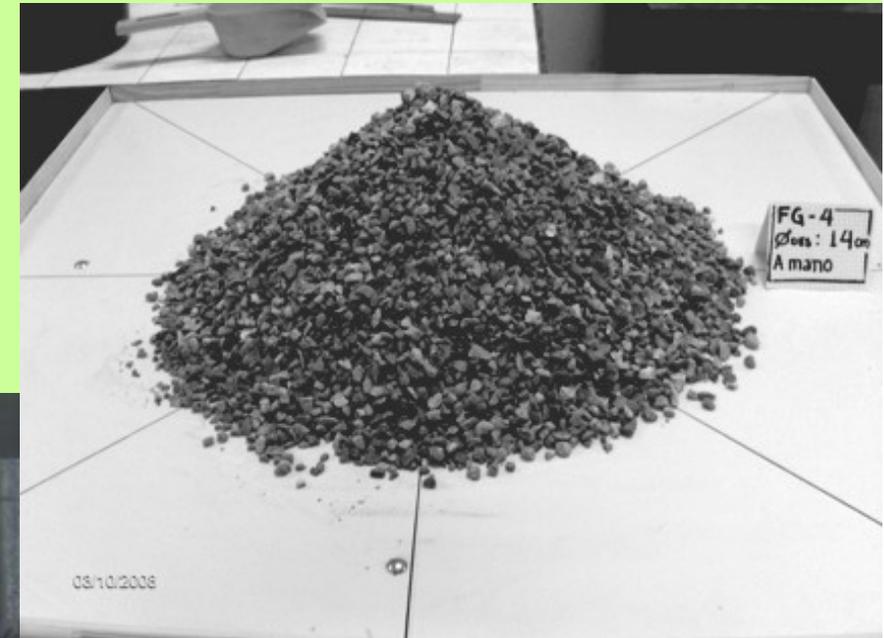


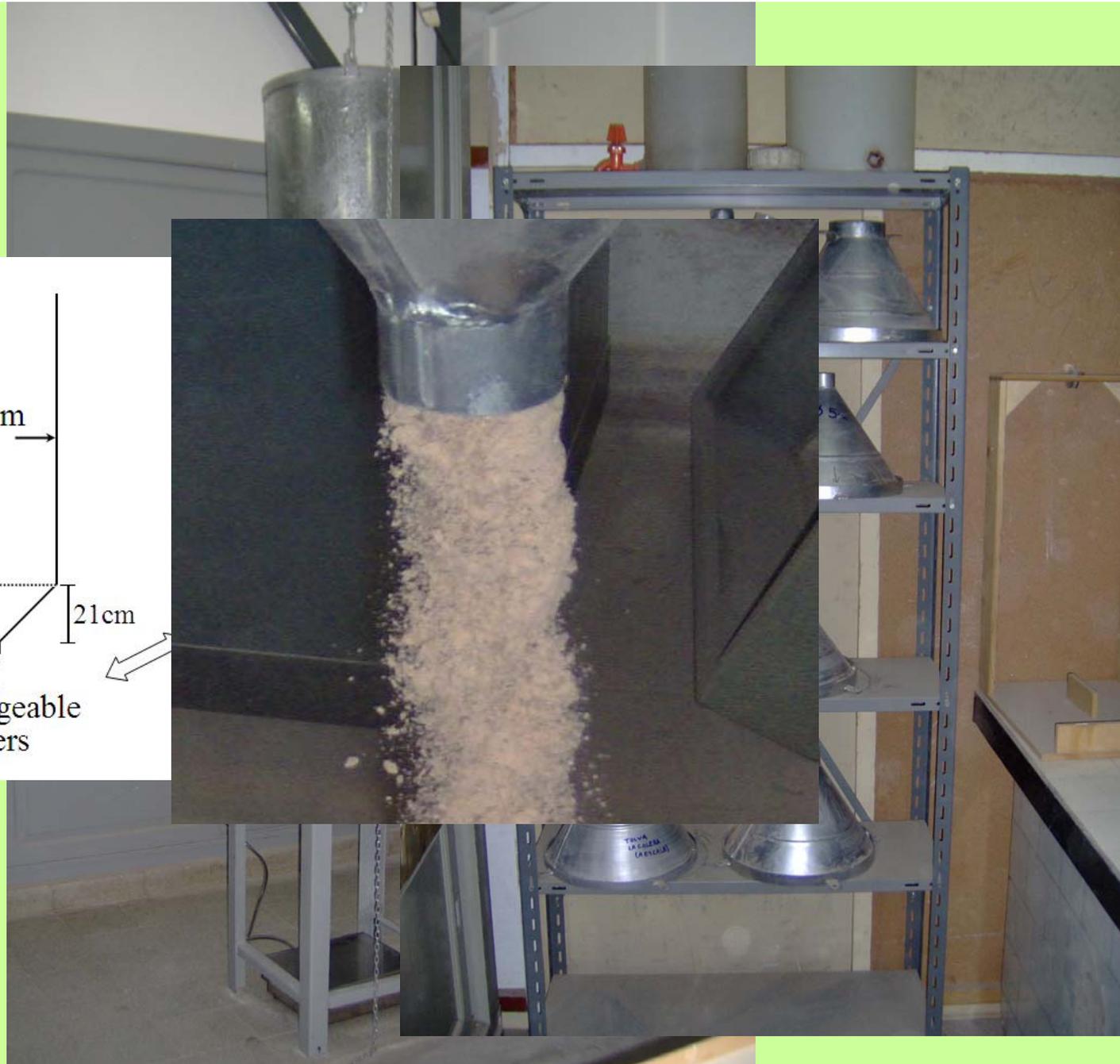
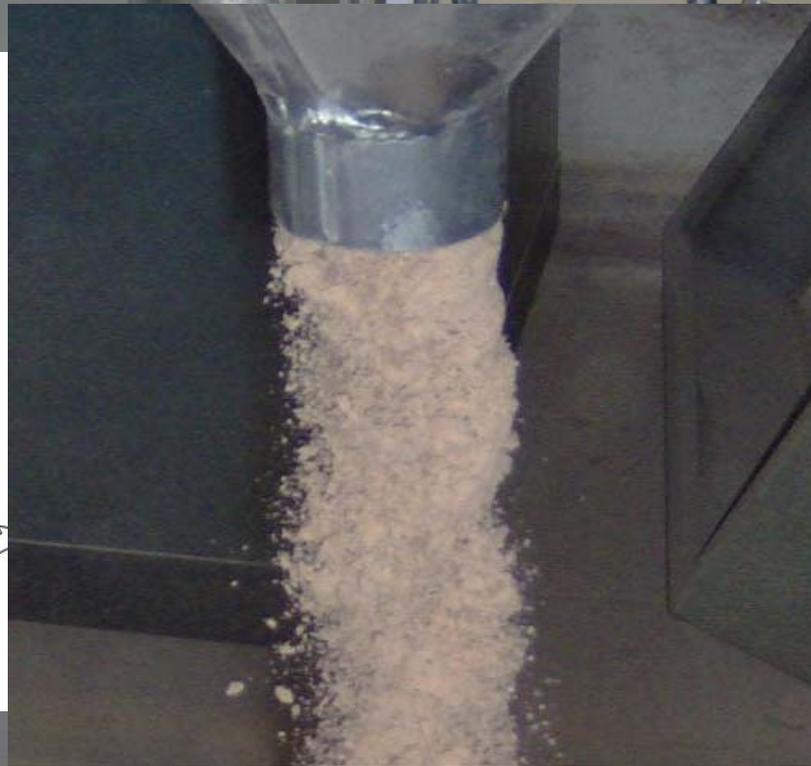
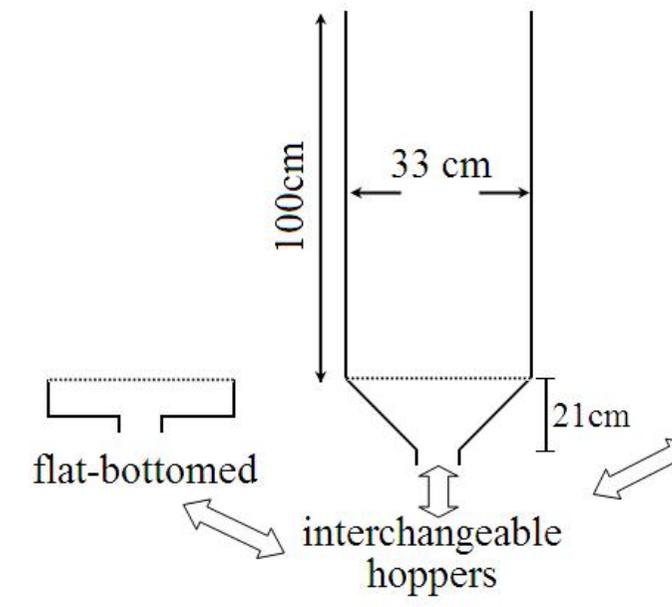
**Pentágonos en celda de Hele Show**



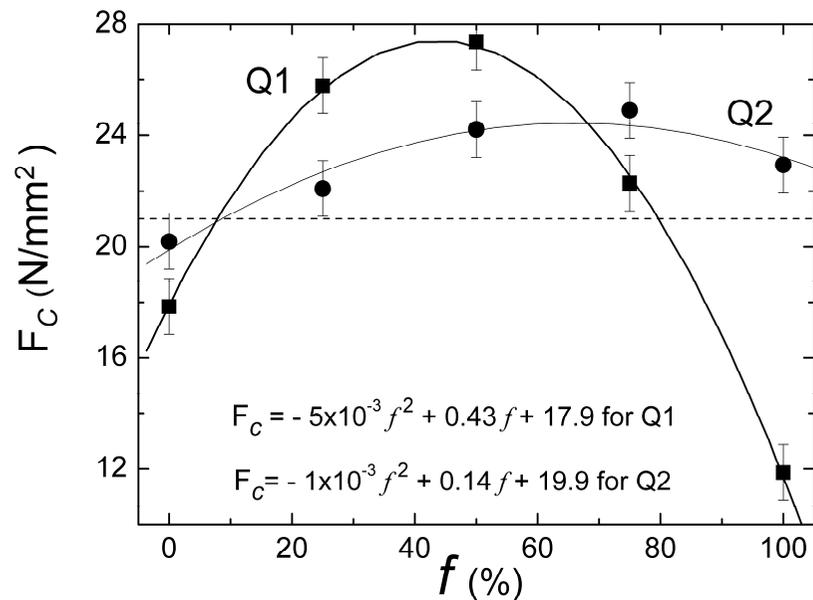
# Medida de ángulos de estabilidad

## Estandarización de técnicas



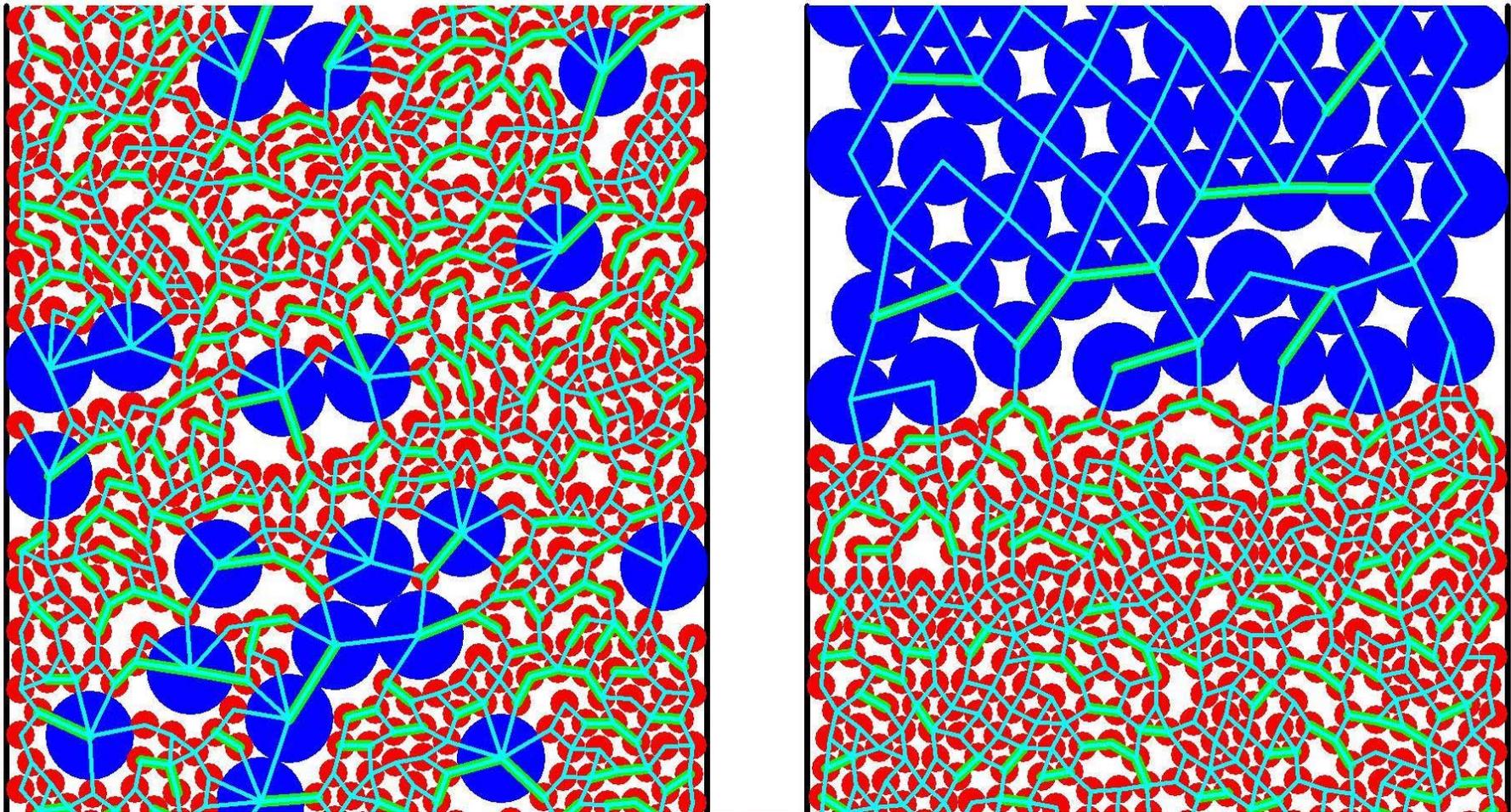


# Proyecto Tecnológico Recuperación Pasivos Ambientales



# PSDM

50



0

-80

-60

-40

-20

0

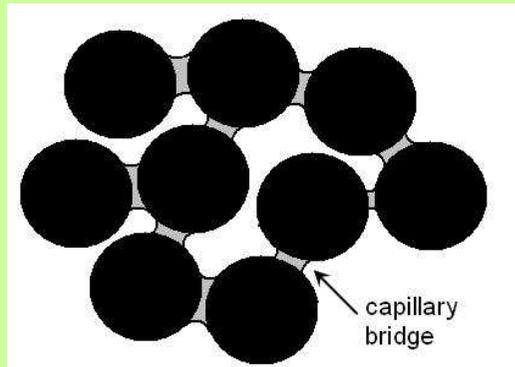
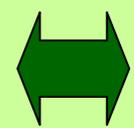
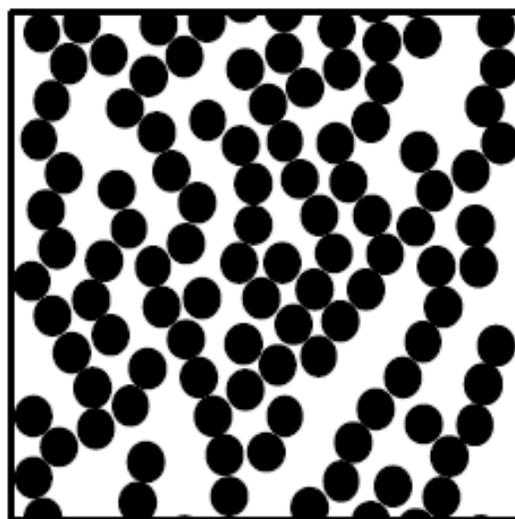
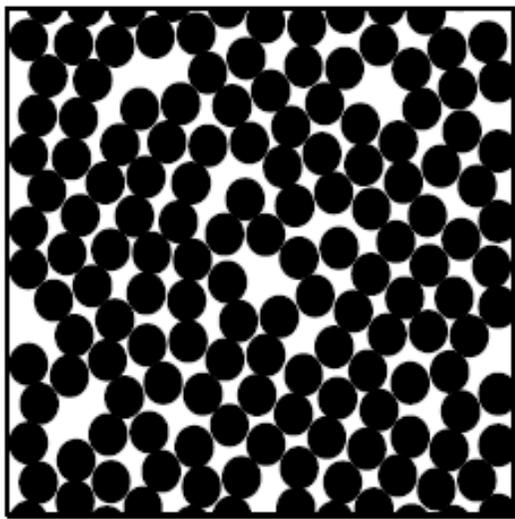
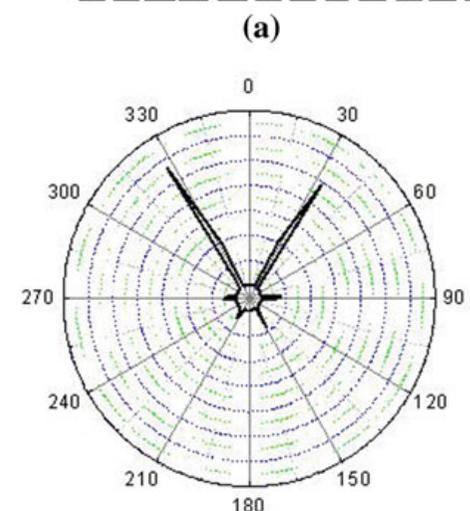
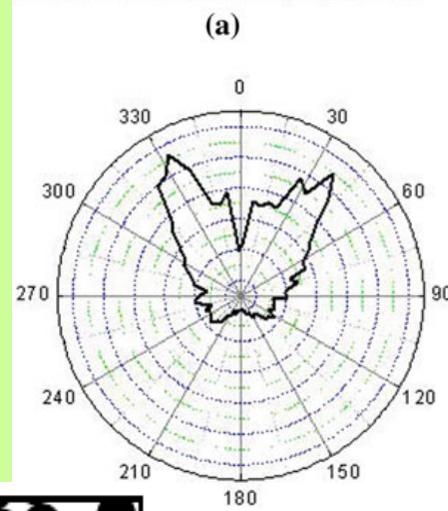
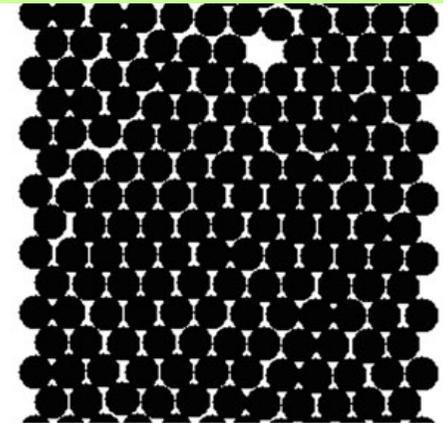
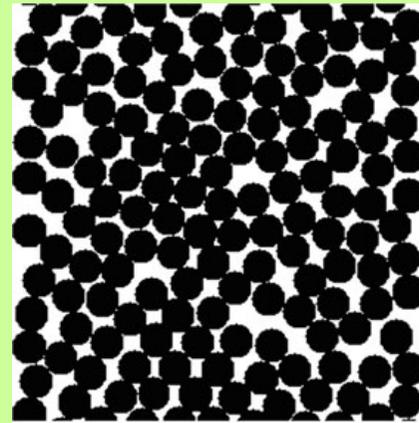
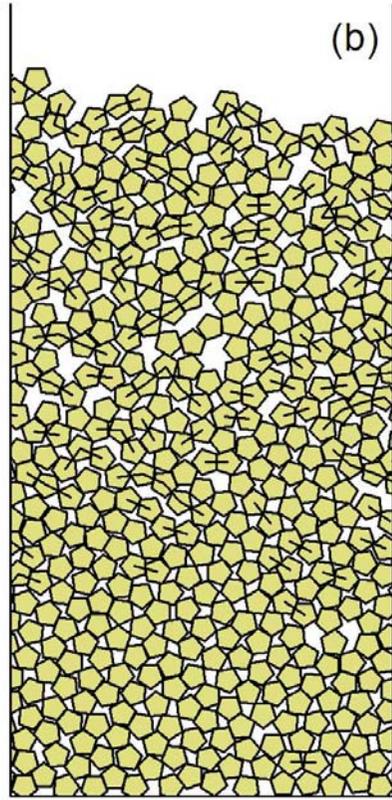
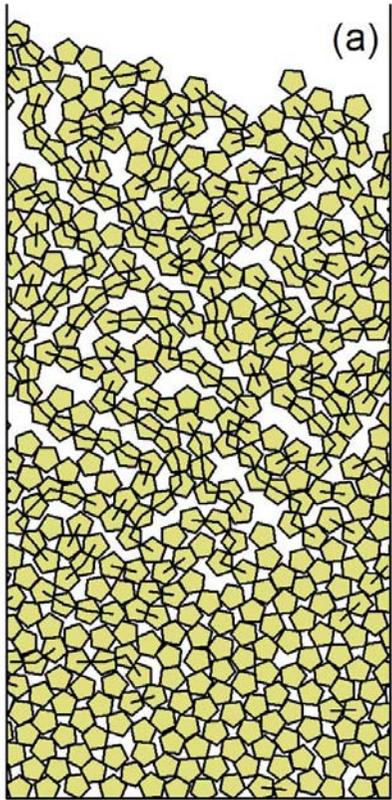
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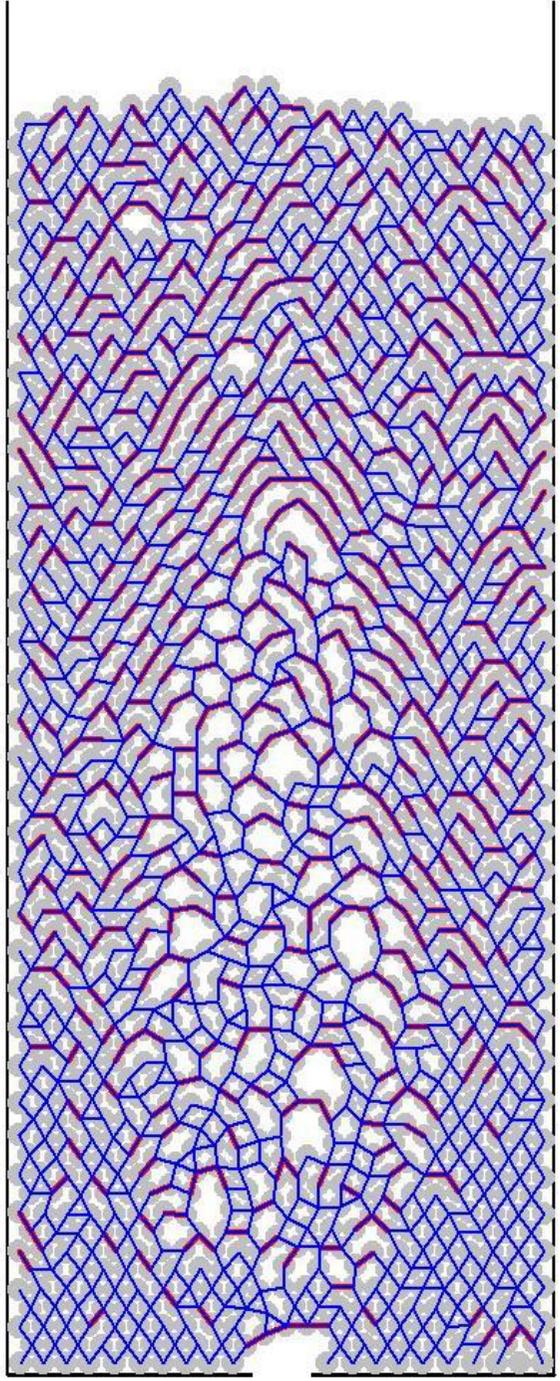
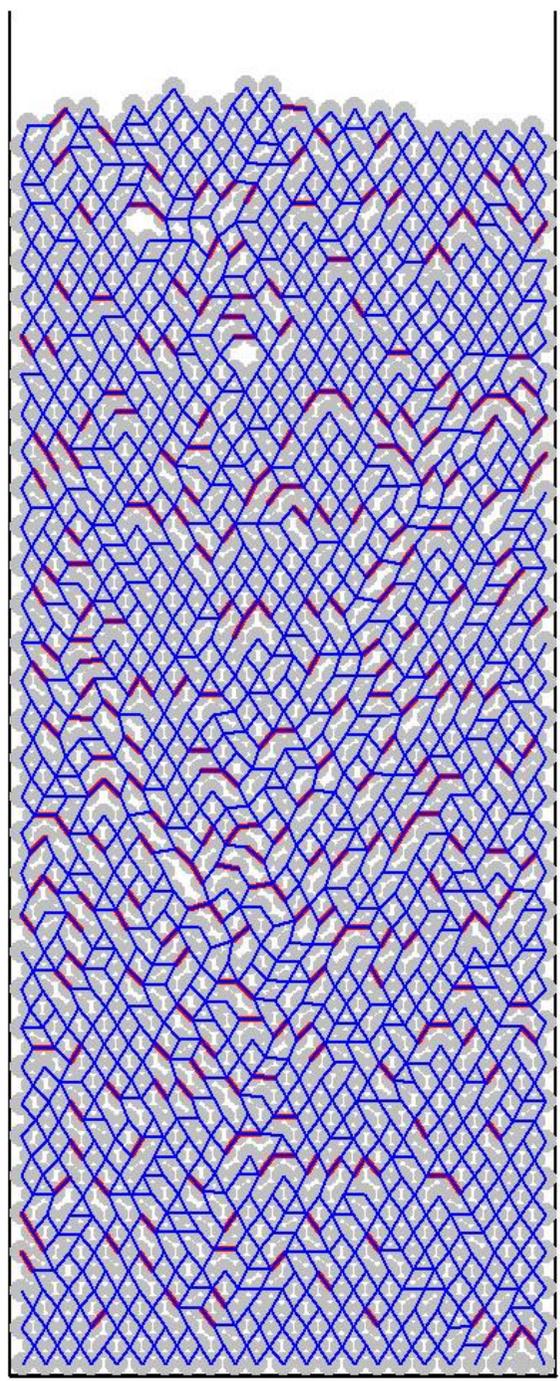
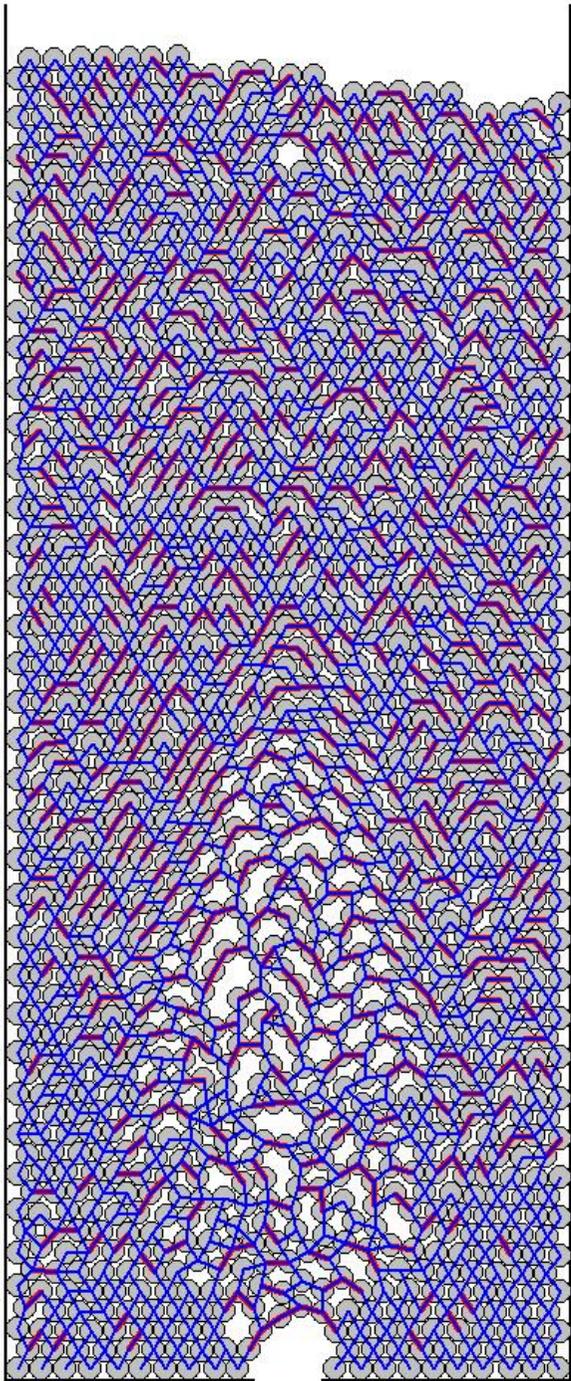
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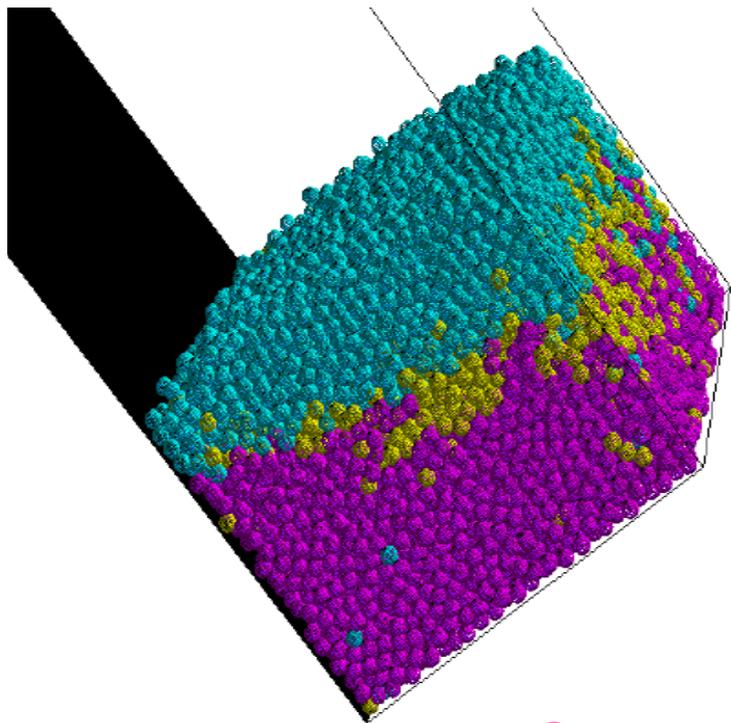
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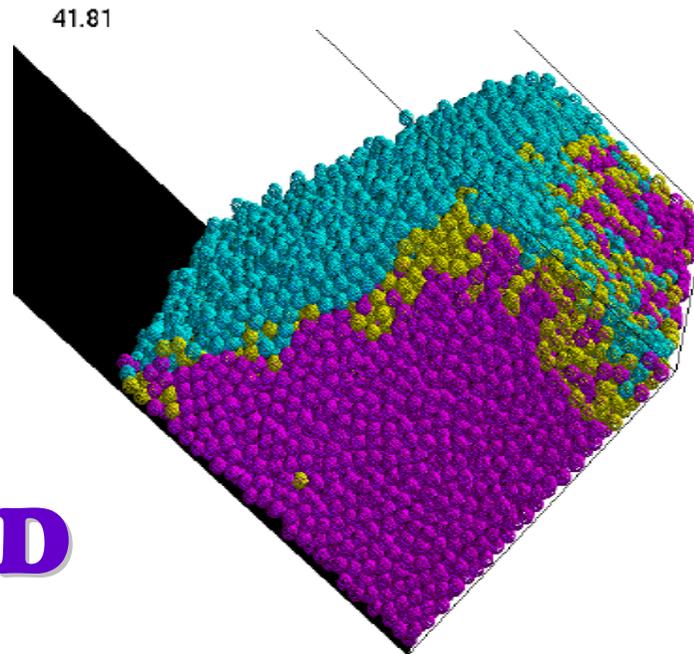






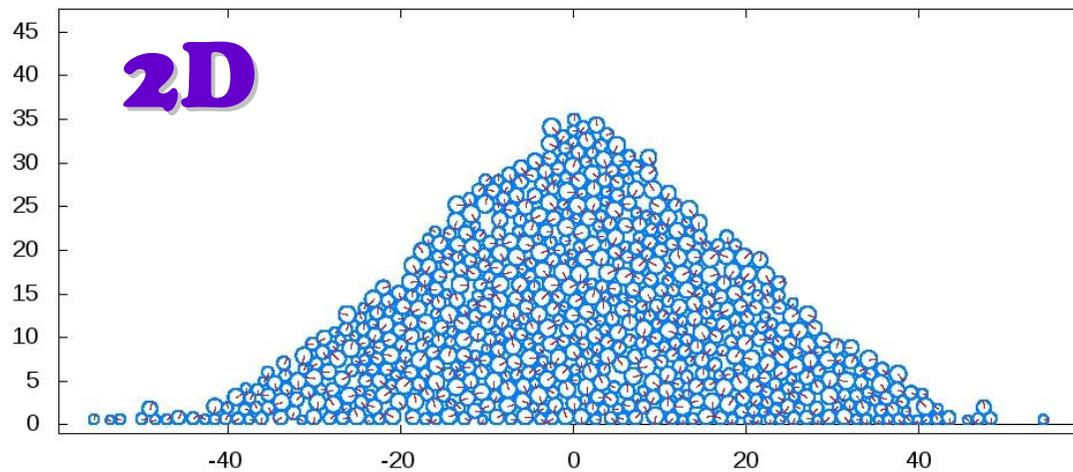
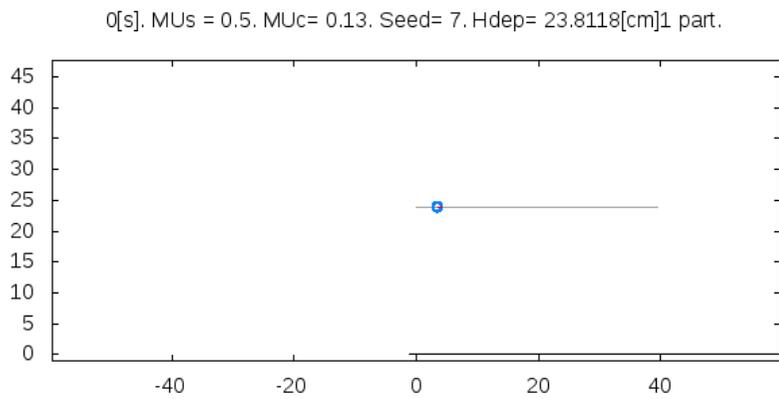
**3D**

**simulaciones**



51.42  
4736  
2832

**DEM**



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## **Principales Colaboraciones**

**UBA: Grupo de Medios Porosos, Fac. Ingeniería**

**La Plata: IFLYSIB-CONICET**

**Francia: Univ. Rennes I (Rennes)**

**Univ. Paris Sud 11 (Orsay)**

**Colombia: Univ. de los Andes (Bogotá)**

**Univ. Nac. De Bogotá**