



# **MODELOS NUMÉRICOS PREDICTORES PARA GESTIÓN MEDIOAMBIENTAL**

**Referencia: CGL2008-06003-C03  
(2009-2011)**

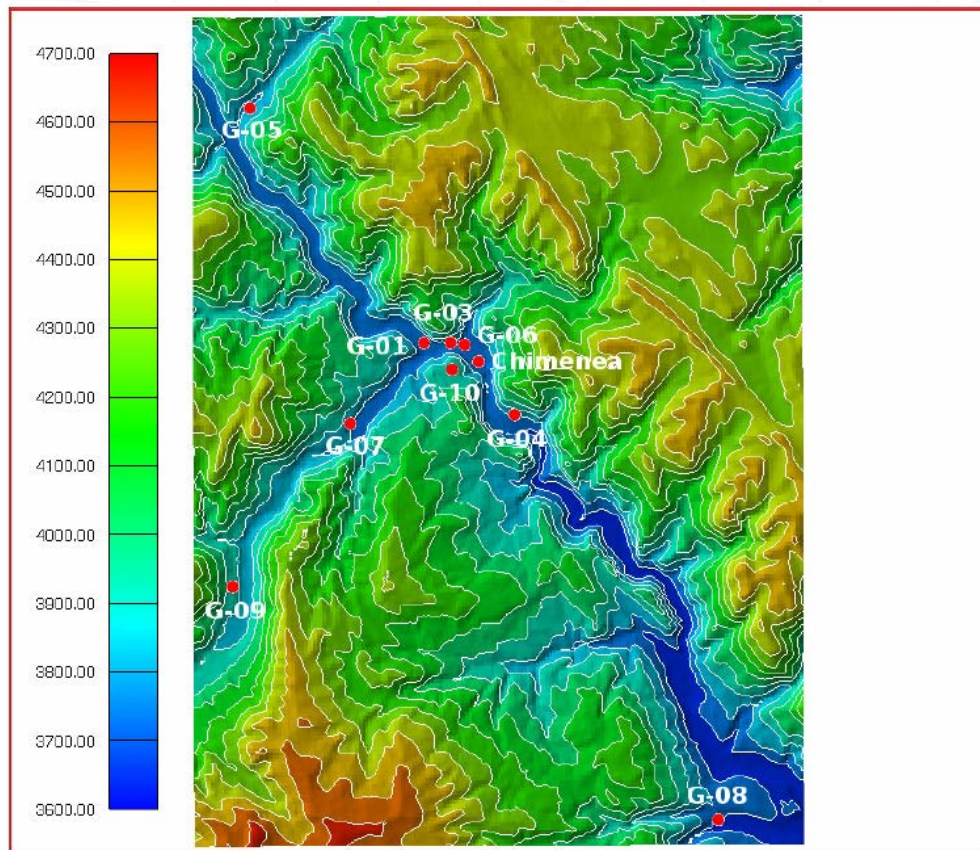
[www-lacan.upc.edu](http://www-lacan.upc.edu)

Workshop en la Agencia Estatal de Meteorología  
Miércoles 17 de Noviembre de 2010

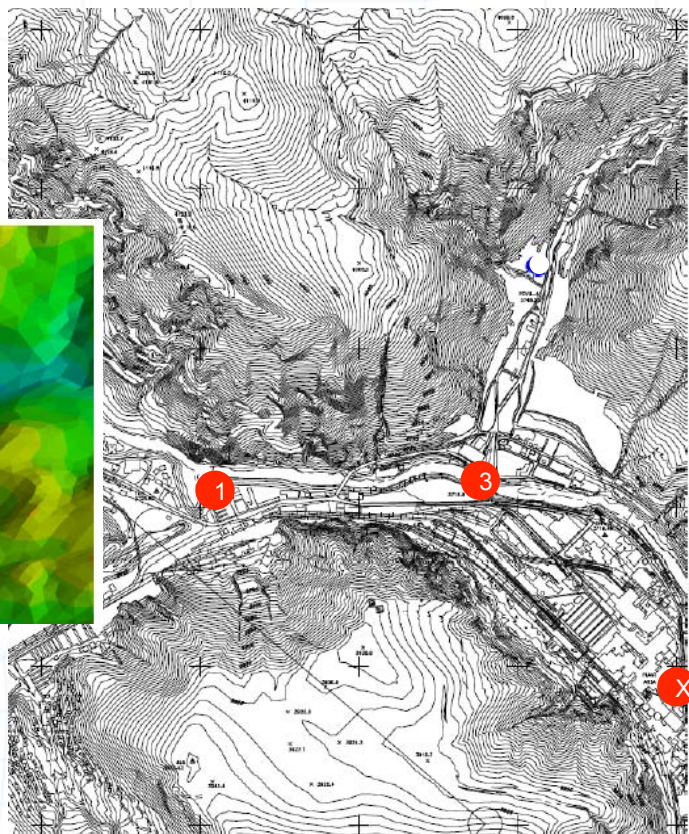
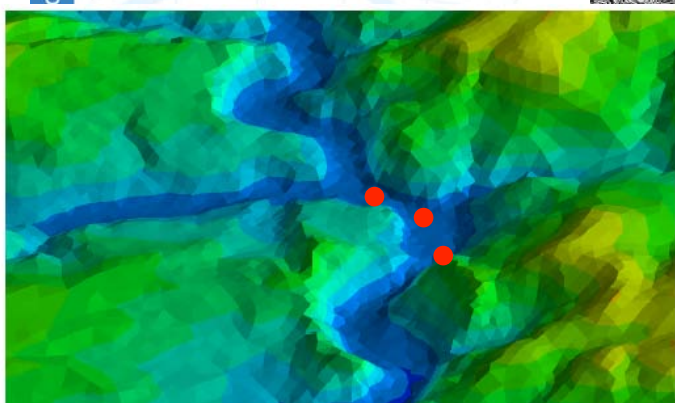


## **Índice**

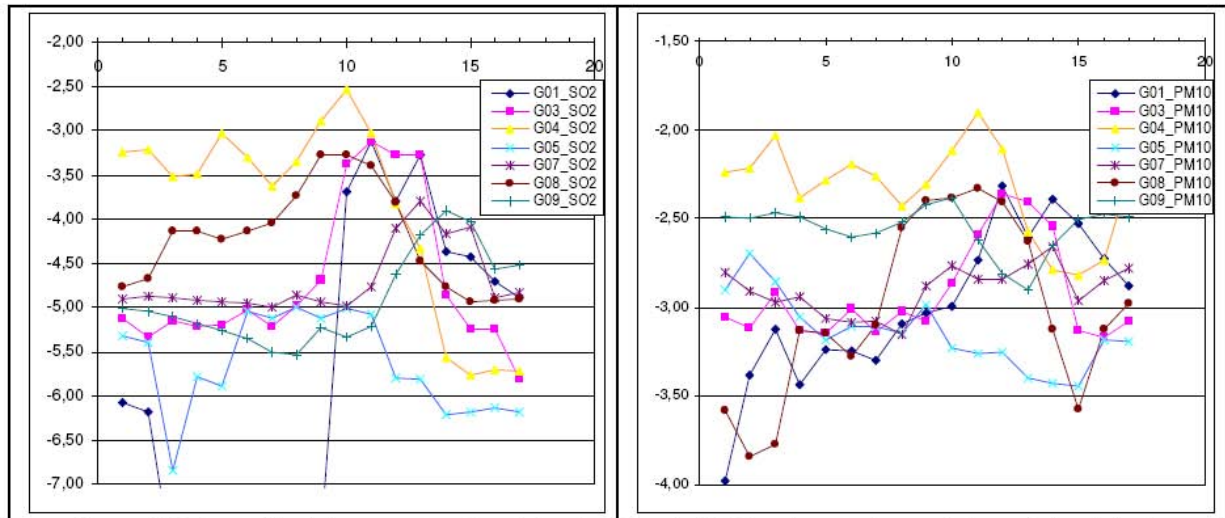
- Avance modelización dispersión en condiciones de estabilidad atmosférica
- Datos meso-escala en zona de estudio en Perú



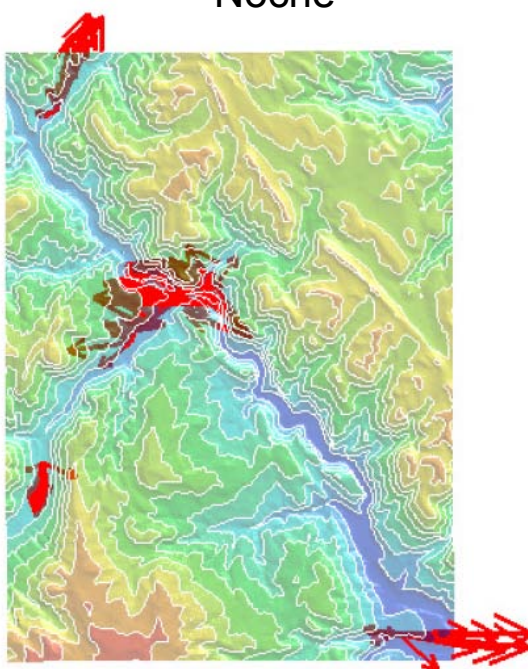
AEMET – Madrid – 16/04/2009 3



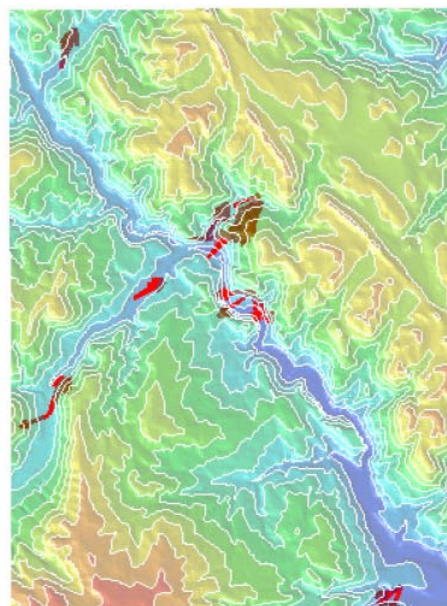


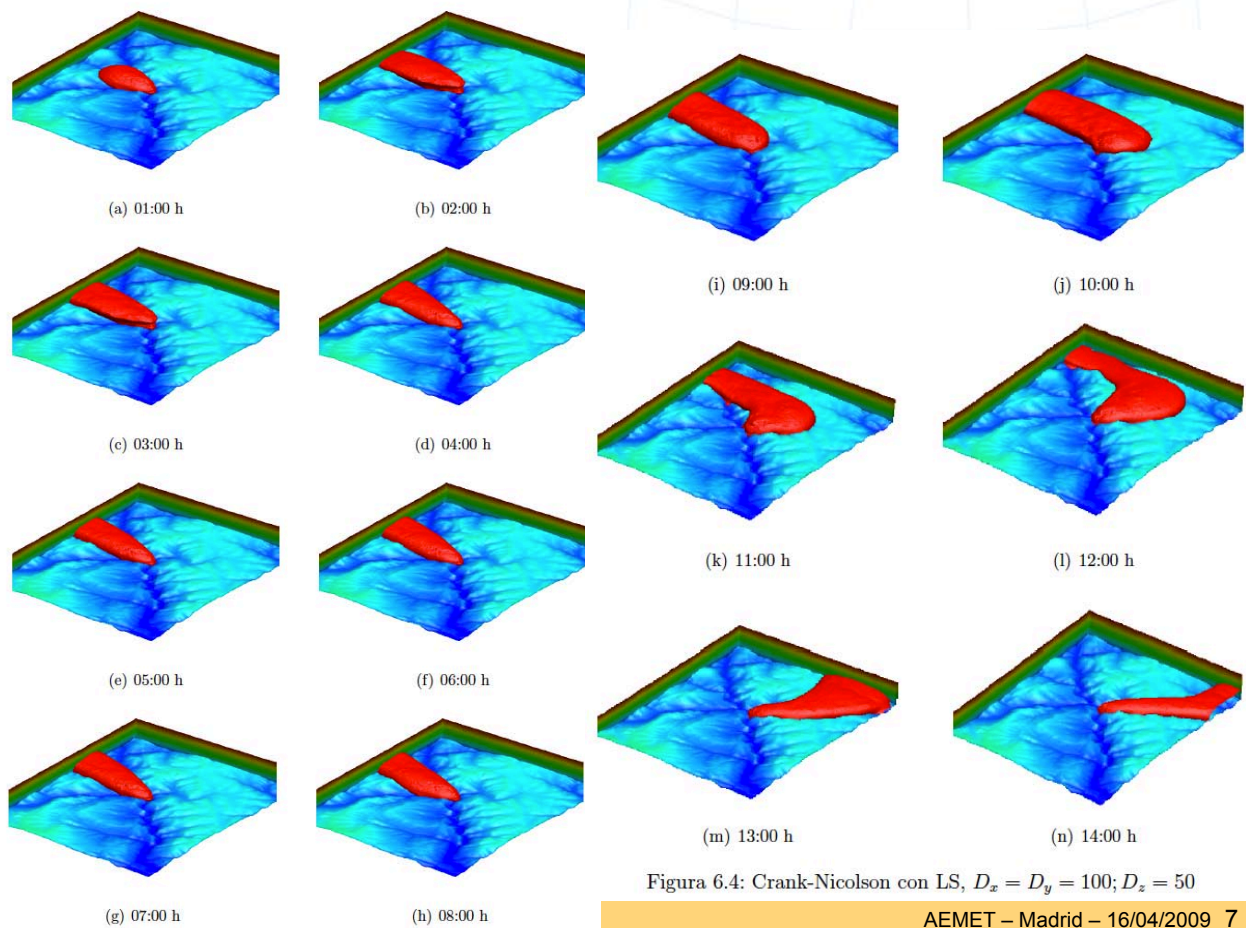


Noche



Dia (x4)





AEMET – Madrid – 16/04/2009 7

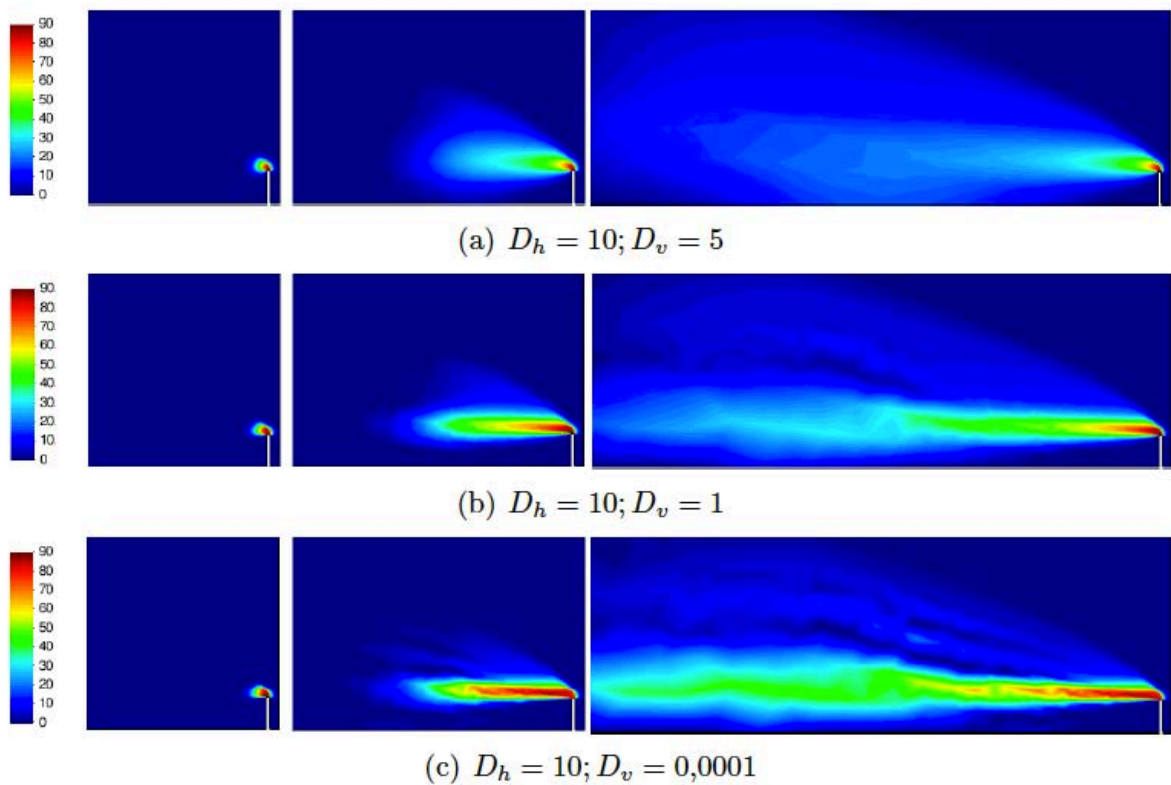
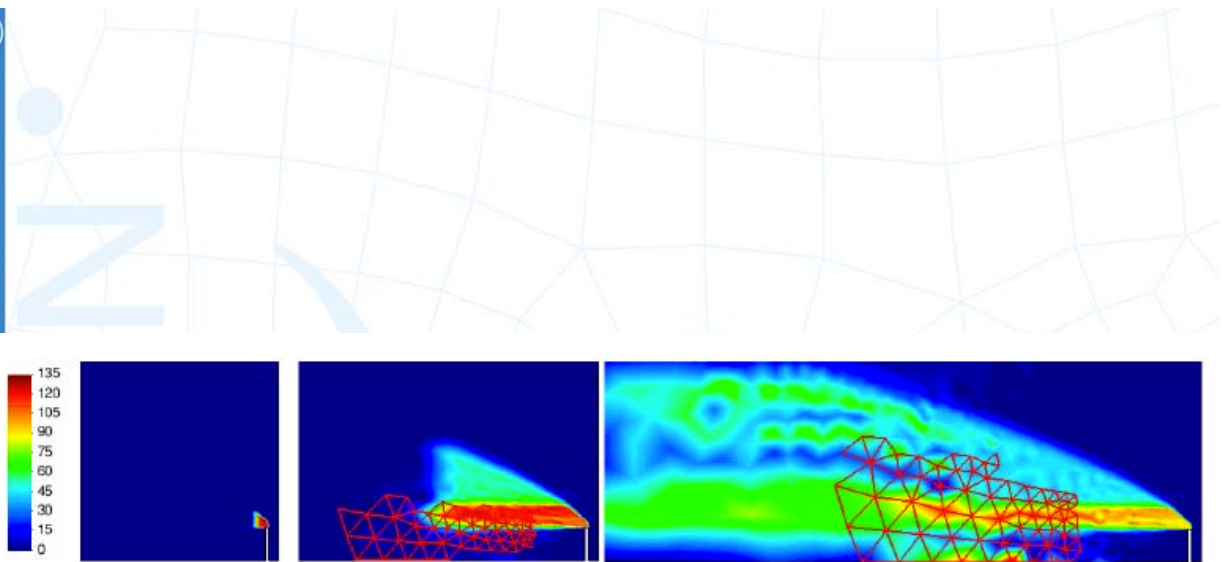
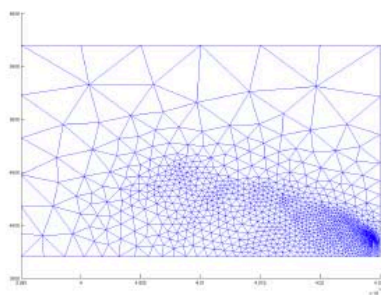


Figura 3.9: Resultados a  $t = 1min$ (izquierda),  $t = 15min$ (centro) y  $t = 60min$ (derecha)

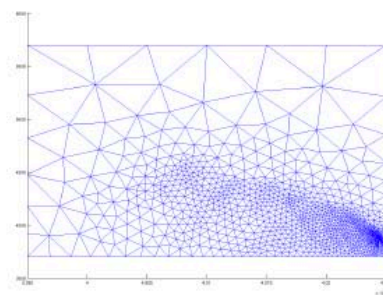




(a)  $D_h = 1; D_v = 0,001$

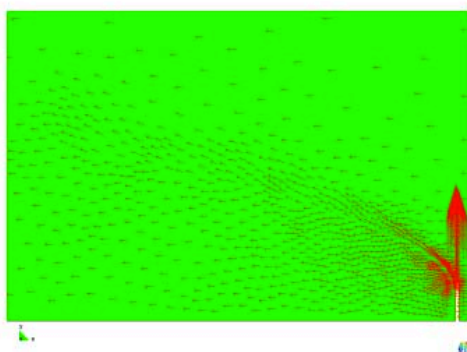


(a) malla  $n^{\circ}2$

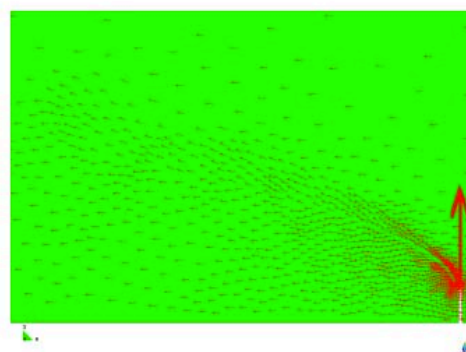


(b) malla  $n^{\circ}3$

Figura 3.18: Vista de las nuevas mallas



(a) campo de viento  $n^{\circ}2$



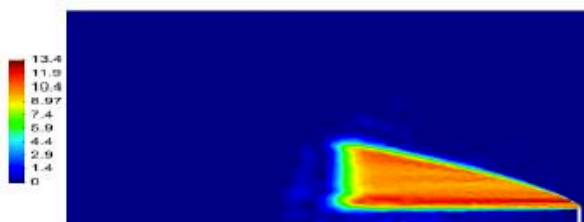
(b) campo de viento  $n^{\circ}3$



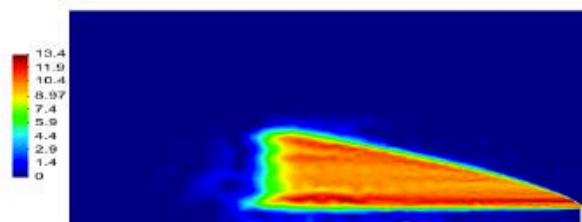
(a)  $t = 10$  minutos



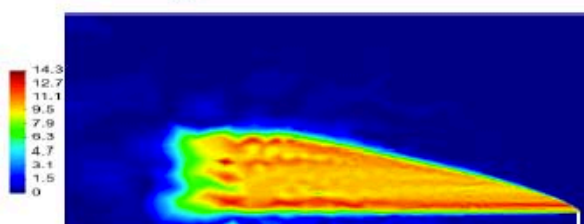
(b)  $t = 20$  minutos



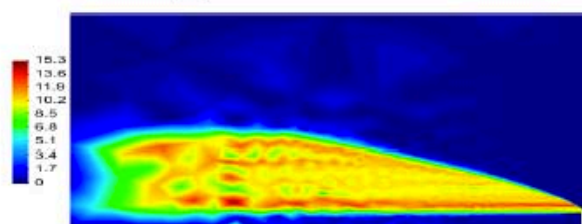
(c)  $t = 30$  minutos



(d)  $t = 40$  minutos



(e)  $t = 50$  minutos



(f)  $t = 60$  minutos



## Petición de Datos

• Zona y puntos de referencia 2010  
(16 km resolución)

• Variables:

- Wind: X-component
- Wind: Y-component
- Temperature
- Specific humidity
- specific cloud condensate
- kinetic energy of turbulence
- surface preassure
- x-component of wind at 10m height
- y-component of wind at 10m height
- **pressure coordinate vertical velocity**

• Días (datos UTC):

• 17-18 / 07 / 2007 y 2008

• Predicciones desde

• día 15 a las 00h; 12h;...

• Hasta día 18 a las 00h; 12h.

• De cada uno obtener siguientes  
72h en pasos de 6h (o 3h en  
función de disponibilidad)

