

Eyjafjöll volcano 2009



Eyjafjöll eruptions - course of events:

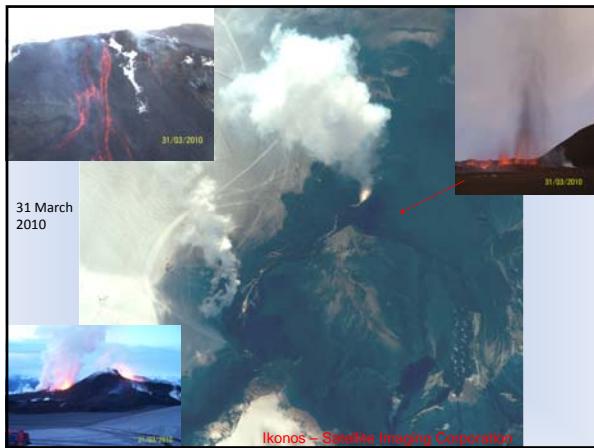
1994, 1999, 2009 and Jan-March 2010:

Unrest and magma injections

20 March to 12 April – small flank eruption at Fimmyörðuháls – basalt – effusive

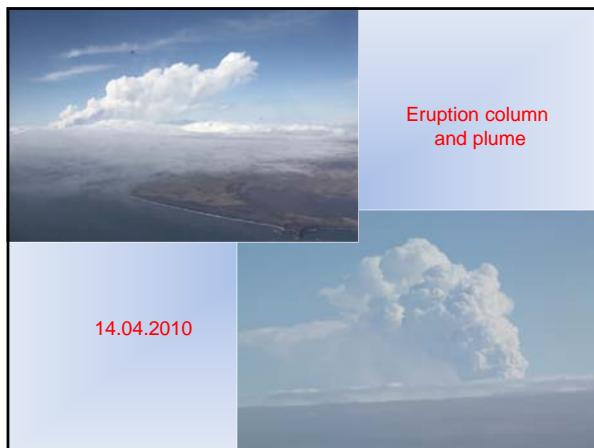
14 April to 23 May – eruption in summit crater – trachyandesite – mostly explosive



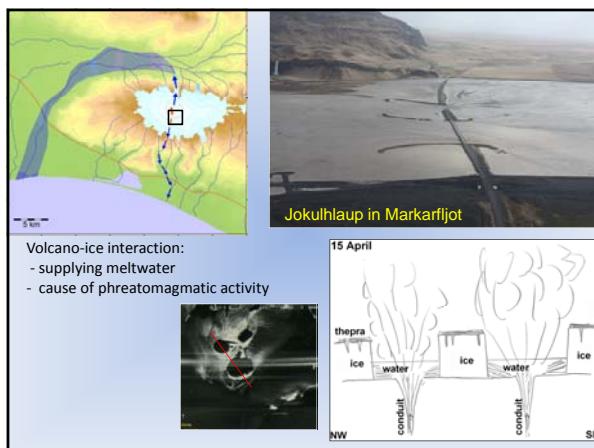


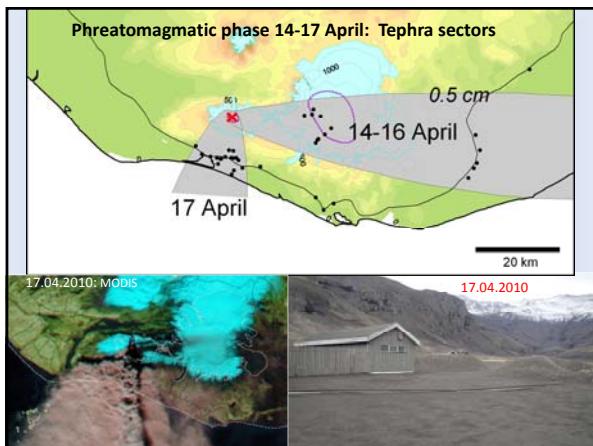




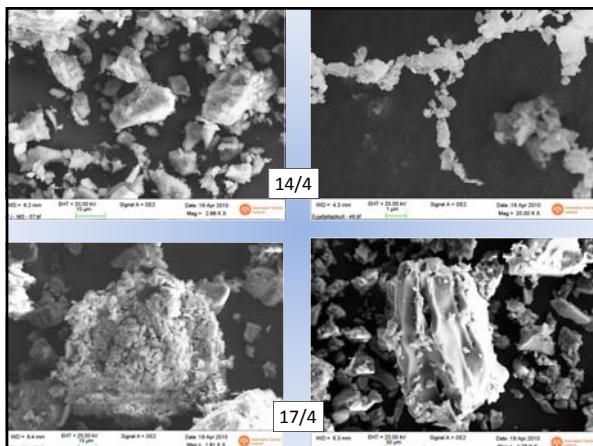


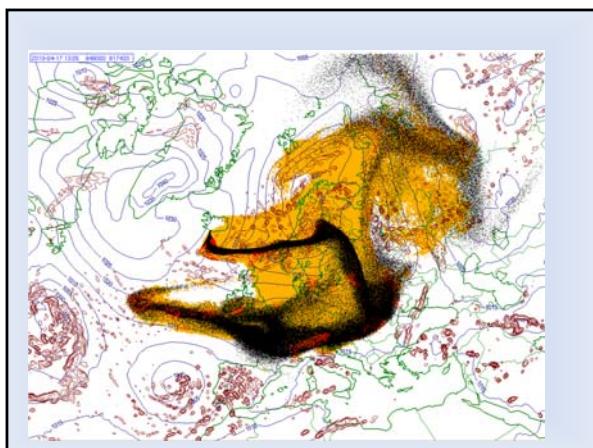


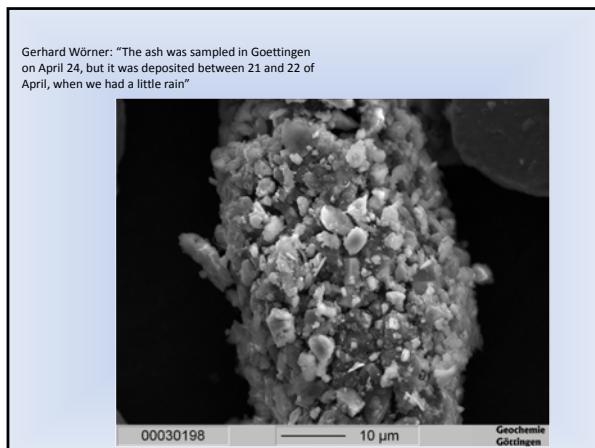




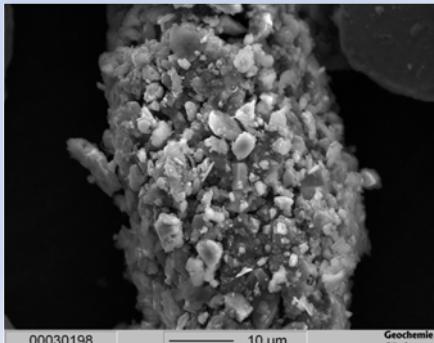








Gerhard Wörner: "The ash was sampled in Goettingen on April 24, but it was deposited between 21 and 22 of April, when we had a little rain"



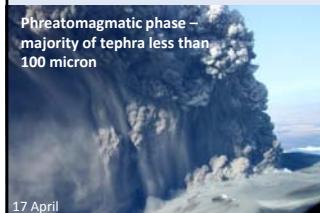
00030198  10 µm Geochemie

21 April

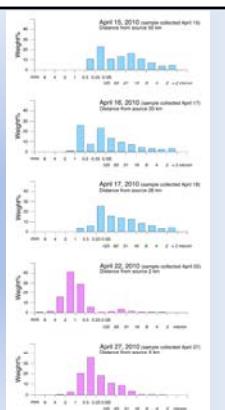
Very weak and ash-poor eruption column

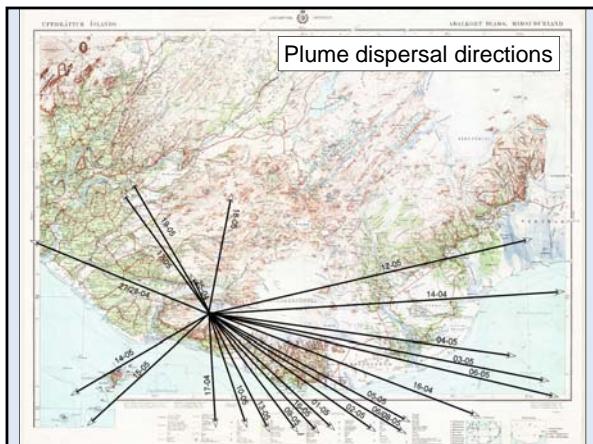
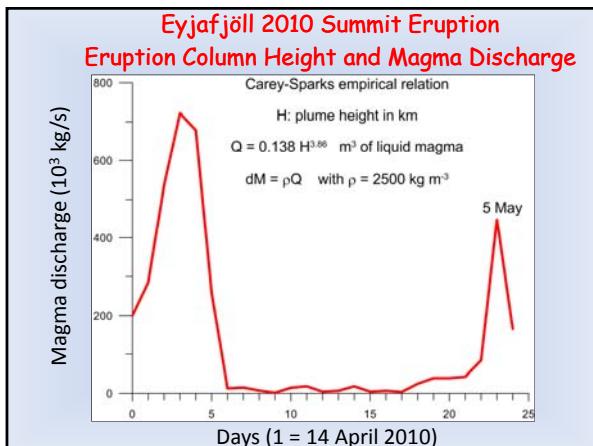
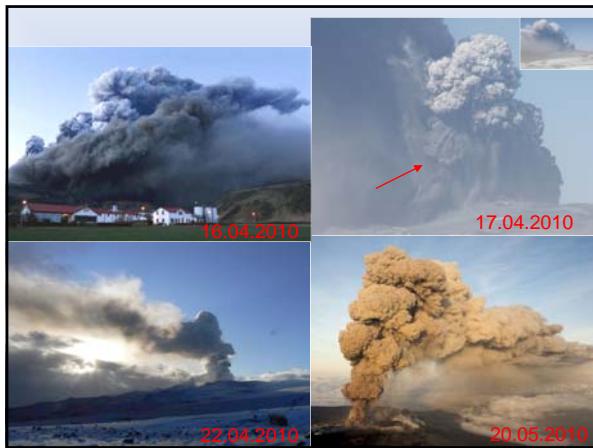


**Phreatomagmatic phase –
majority of tephra less than
100 micron**



**Magmatic phase – majority of tephra
more than 100 micron**











Gigjokull



14 April 2010; ~10:00 hrs

Gigjokull



14 April 2010; ~15:00 hrs

Gigjokull



27 May 2010



