Here is our try at Socratic lesson! - Team Sc

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| Activity Type: Socratic Lesson |
| Learning Solution Type:  Asynchronous online |
| Assigned Topic: Marine Meteorology |
| Team Name: Sc |
| Title of the activity  Mistral wind case over Mediterranean Sea. |
| Instructions to students (what do they need to know to participate in the activity, how are they grouped, how will outcomes be shared for feedback)    Forum discussion. The instructor will provide jsut a few attachments in the forum for the case, and then post an opening question in the forum. The students are invited to think and then submit their answer. More questions will follow to ask students to clarify or evaluate their answers further. |
| Roles of trainers (how will you set up and guide the activity)  The trainer will take into accout al the answers that the students send, and then send a new question challenging the students to think deeper. |
| Supporting resources (what data, instructions, technologies, instructional resources, etc. will be required)  In this example only three charts sent as attachments:  1. the wind observations on western Mediterranean,  2. the water vapour satellite image  3. The mean sea level pressure chart. |
| What is the primary thing you want students to learn?  Clarify their thinking , see what is significant. |
| How will you know if the activity was successful?  if they can understand how MIstral looks in observations and in which type of situations it develops. |
| Any additional notes you want to include.  An excerpt of an imaginary forum discussion below:  Socrates (Teacher): Here is a case from Mediterranean sea. Date XX.XX 20XX. I have attached three images in this Forum discussion : 1. the wind observations on western Mediterranean, 2. the water vapour satellite image and 3. The mean sea level pressure chart.  Let me hear what do you think? Do you see anything interesting?  Student X: I see lots of northerly wind in Mediterranean, especially south of France.  Socrates: Very good. Can someone point me the centre of the Low pressure causing this northerly wind?  Student Y: in the east over Balkans.  Socrates: But wind is not so strong everywhere on western Mediterranean. Why is the sea area just south of France so windy?  Student Z: can be some orographic effect, maybe.  Socrates: Is there any information in the water vapour image that could help you to see the orographic effects?  Student X : I see some ripples in the image but its not very clear.  Student Y: what is water vapour image?  Socrates: so you would need more information? what information?  Student Z: I would need more visible and infrared images.  ... etc etc.. |