Exercise 7: Flood Case Analysis

Case Study Analysis Sheet

Group Member Names:

Flood Case Name and Region:

Flooding Dates:

Information and Resources Used

Which region or river basin does your case study focus on? How did you decide on or find this flood case?

Pre-Flood Condition:

Do you see a precipitation system approaching the area before flooding? How far back (in hours or days) could you have anticipated flooding? *Hint: Try using animation of rain rates*

How can soil moisture data qualitatively help during the pre-flood period?

Flooding and Post-Flood Conditions:

How much increase in streamflow or 'above threshold flood depth' do you see during the flooding?

Can you see surface inundation in the affected river channel during the flooding event? If not, what might be the reason for the absence of inundation?

Can you see surface inundation after the flooding period (i.e. after the rainfall and streamflow has reduced)?

Did the flood event affect heavily populated areas? What information did you use to make this assessment?

How could you use this information for planning risk reduction activities and actions? Can you use these data and tools with data and information from other sources (e.g. surface observations, GDACS, etc.)?