

### **Quick summary** of the meeting by Andrea.

1. Setup file completely modifiable: all the parameters are modifiable by the engineer
2. can we save a sort of log about the historical changes into the parameters?
3. Don't regroup the data for week, but max for days
4. overlapping of data: overlap the graphs to appreciate differences between models and to make some correlations (e.g. Hydrometer and eco sounder data → you can see the difference about the water level)
5. camera and sensors files have not the same timestamp
6. there are a lot of combinations (traffic/debris etc) → have a look to the pdf charged by Lorenzo, last table, to see parameters and combinations
7. there are some other formulas to calculate the safety factor...he'll tells us this formulas in the next week (I hope)
8. we are translating all the documentation; it's quite difficult to understand. I think that for the ER schema of the DB the information that we still have are enough (we'll have to add only 5 or 6 columns at the DB with the last parameters/forces)

### **Notes:**

1. REMEMBER THAT WE NEED ONLY THE FORMULAS TO MAKE THE CALCULATIONS, SO THE MATLAB CODE IN MY OPINION IS NOT SO IMPORTANT (ALSO BECAUSE IT IS THE CODE WRITTEN BY A CIVIL ENGINEER AND NOT BY A COMPUTER ENGINEER)
2. DON'T TRUST ON THAT CODE, BECAUSE OUR CUSTOMERS ARE MAKING SOME CHANGES ON THE FORMULAS: THE RIGHT ONES ARE THE FORMULAS THAT LORENZO IS TRANSLATING/UPLOADING IN THESE DAYS
3. TRY TO THINK ALSO TO THE SOFTWARE MODULES WE HAVE TO IMPLEMENT; WE ARE WORKING ON SOME ABSTRACT/HIGH LEVEL INTERFACES, CLASS DIAGRAMS AND SEQUENCE DIAGRAMS. WE'LL UPLOAD THEM ASAP, POSSIBLE BEFORE THE 19.00 MEETING.
4. WE HAVE TO THINK THEN HOW TO SWITCH THE WORK BETWEEN THE GROUP

### **Thoughts:**

I have thought that, more or less, the modules are (with the people that could be in charge):

- DB & parser → jorn + marko
- Math Engine → andrea + lorenzo + ghazal
- Web Services + Client → dzana + nikola + miraldi

What do u think about it? Obviously each team member could help the people in charge of a determinate SW module and we can also re-distributed the works.