Technical University of Denmark



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Weather data visualization

A Graphical User Interface (GUI) for weather radar and wind energy data visualization and analysis

Software Technology Project, June 2012

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- Some work distribution perhaps?

Abstract, Resumé

A platform to visualize different kind of weather data

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Introduction

Related work

A GUI has been developed in Matlab..

A second attempt made use of Google Maps..

3.1 The C++ application

3.1.1 Return codes

The C++ application returns the following codes to the PHP after processing data:

Code	Meaning
0	Failure
1	Success
2	Success, unkown params ignored
10	Failed, missing fileid
11	Failed, missing filename
12	Failed, missing type
20	Unknown file type
21	File not found
22	Invalid file, or wrongly formatted
30	Could not read input file
31	Could not write to input file
32	Could not read output file
33	Could not write to output file
34	Could not delete output file

Table 3.1: Return codes from the C++ application

Conclusion

5 Future work

The use of well developed and supported frameworks makes the application easy to extend to support new file formats.

References

- [1] Microsoft Windows Bitmap Format. see CampusNet/Labs/bmp format.pdf.
- [2] Microsoft Windows Bitmap Format. http://en.wikipedia.org/wiki/BMP_file_format

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