Title: The Reuniwatt LaTeX Template

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Revision History

Revision	Date	Author(s)	Description
1.0	13.10.2017	LEB	Created template.
1.1	23.03.2021	FK	Edits in template.
1.2	24.03.2021	FK	This revision history is part of the template. Please use it.

Contents

Purpose of the document

The purpose of this document is to show you what the Reuniwatt LaTeX template looks like. Have fun editing! In your own documents, please use this section to explain the purpose of your document.

1 Hyphenation

If latex does not know a word, it would not know how to line break it properly, which will lead to a warning. A file for hyphenation is loaded above. It includes information on where latex can break words.

2 Tables and figures

2.1 Static table

Table 1 shows an example of a simple table.

Model level	Altitude (m)
137	10.00
136	30.96
135	53.92
134	79.04
133	106.54
132	136.62

Table 1: First levels of the ECMWF model.

2.2 Dynamic table

Table 2 gives an example of a table that adjusts the font size depending on the content.

Work package reference	Work package name in work plan	MM/YYYY	Responsible
[Work package 1] - For me Preparation algorithms	Preparation & of the amazing algorithm I want to develop	08/2020	Me
[Work package 2] - For you Testing algorithms	Experimental implementation of the algorithm	09/2020	You
[Work package 3] - For us Validating algorithms	Validation of the amazing algorithm with reference data	10/2020	All of us

Table 2: Work packages related to the development of the amazing algorithm.

2.3 A figure

Figure 1 shows an example of a figure.

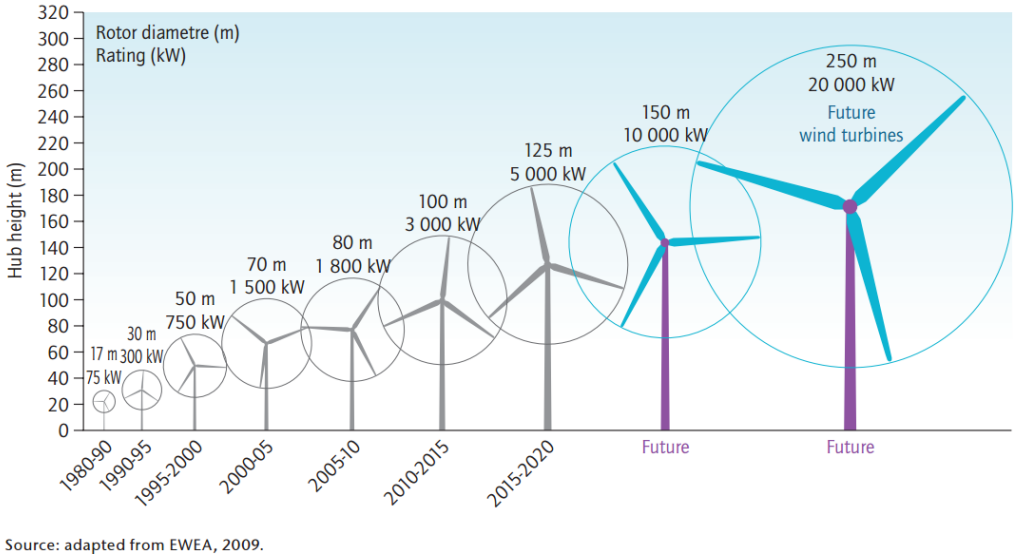

Figure 1: Growing size of wind turbines since 1980 and perspectives. Sources: IEA, EWEA.

3 Equations

Equation 1 is a lovely equation.

$$RMSE = \sqrt{\frac{\sum_{i=1}^{n}(\hat{y}_i - y_i)}{n}} \tag{1}$$

4 Citations

The file ReuniwattPublications.bib contains all publications of Reuniwatt until beginning of 2021. It contains classics such as Diagne et al. (2013), an early review paper of Reuniwatt that has been cited hundreds of times. The bib file has been exported directly from Zotero. Ask Frederik if you want to know more about that. To cite a paper within a sentence you can do it like this Liandrat et al. (2021). Citing a paper at the end of a sentence works like this (Roussel et al., 2019).

5 Weblinks

Sometimes links are very long and do not fit into one line, such as `https://reuniwatt.com/en/2021/02/02/webinar-series-intelligent-camera-cloud-operators-for-numerical-weather-prediction/`. The package xurl allows to line break them automatically.

References

M. Diagne, M. David, P. Lauret, J. Boland, and N. Schmutz. Review of solar irradiance forecasting methods and a proposition for small-scale insular grids. *Renewable and Sustainable Energy Reviews*, 27:65–76, Nov. 2013. ISSN 13640321. doi: doi:10.1016/j.rser.2013.06.042. URL `https://linkinghub.elsevier.com/retrieve/pii/S1364032113004334`. doi:10.1016/j.rser.2013.06.042.

O. Liandrat, G. Roussel, M. Turpin, J. Decroix, and N. Schmutz. Comparison of cloud statistics and space-to-ground optical link availability derived from MSG/SEVIRI with observations acquired from a ground based thermal camera in Toulouse. In *International Conference on Space Optics*, Antibes Juan-les-Pins, France, 2021.

G. Roussel, O. Liandrat, L.-E. Boudreault, S. Cros, and L. Sauvage. Cloud detection and cloud base height retrieval using a ground thermal-infrared all sky imager. In *International Symposium on Tropospheric Profiling*, Toulouse, France, May 2019. URL `http://www.meteo.fr/cic/meetings/2019/ISTP/`.