



WindSim Americas User Meeting

4 December 2014, Orlando

WELCOME

PRESENTED BY: Donna Rennemo

windsim

User Meeting Objectives

- **Software Feedback – Welcome both good and bad**
 - Discuss applications-problems-solutions
- **Participant's presentations**
 - Serve as a springboard for general discussion
 - Share professional knowledge and experiences
- **WindSim Software Maintenance and Development**
 - Status and further plans
 - You can influence future releases – tell us about your needs
 - Meeting new demands in the industry
- **Encourage discussions**

AGENDA

Orlando, Florida 4 December 2014

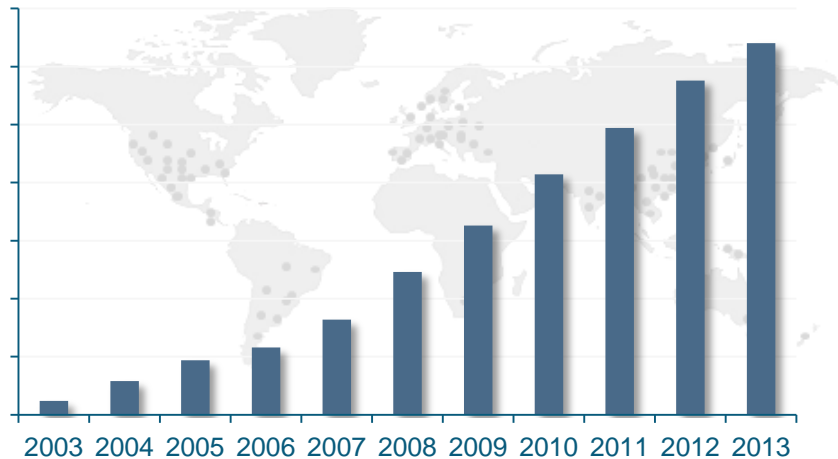
Company	Speaker	Presentation Title	Time
WindSim Americas Inc.	Donna Rennemo	Welcome & Objectives	8:30AM
North Carolina State University	Christopher Nunalee Ph.D. Candidate	Generating Virtual Wind Climatologies through the Direct Downscaling of MERRA Reanalysis Data using WindSim	8:45AM
WindSim AS	Dr. Arne Gravidahl	AEP Optimization	9:15AM
Coffee Break	Coffee Break	Coffee Break	10:15AM
Pattern Energy, USA	Chad Ringley	Integration of WindSim's Forecasting Module into An Existing Multi-Asset Forecasting Framework	10:45AM
Siemens Wind Power Americas	David Karkkainen	Turbulence Model Comparison in Complex Terrain	11:30AM
Lunch	Lunch	Lunch	12:30PM
DOE's Idaho National Laboratory, USA	Jake P. Gentle	Evolving Innovations in Technology - Grid System Planning for Wind: Dynamic Line Rating and Concurrent Cooling Model and Beta System	2:30PM
Aeroespacial Brazil	Caarem Studzinski	Use of Windsim for Pernambuco's Dynamic Wind Atlas	3:15PM
WindSim Americas Inc.	Dr. Xuan Wu	Power Forecasting Development	3:45PM
WindSim AS	Dr. Anre Gravidahl	WindSim Version 7.0	4:15PM
Depart for Evening Dinner Event	Meet in Hotel Lobby 5:30	Meet in Hotel Lobby 5:30	5:45 PM Depart for Show

Advanced Training Event

- **Friday 5 December 9:00AM – 6:00PM**
- **Location WindSim Americas Offices**
 - 3505 Lake Lynda Drive, Suite 200 Orlando, FL 32817

WindSim AS: Market position

- The first commercially available version of WindSim software was launched in 2003
- Since then, there has been strong, steady growth in its adoption. Today WindSim is used by leading turbine manufacturers, developers, consulting companies and research institutes
- WindSim software is used in more than 50 countries on all continents



Accumulated licenses sold



A sample of our users

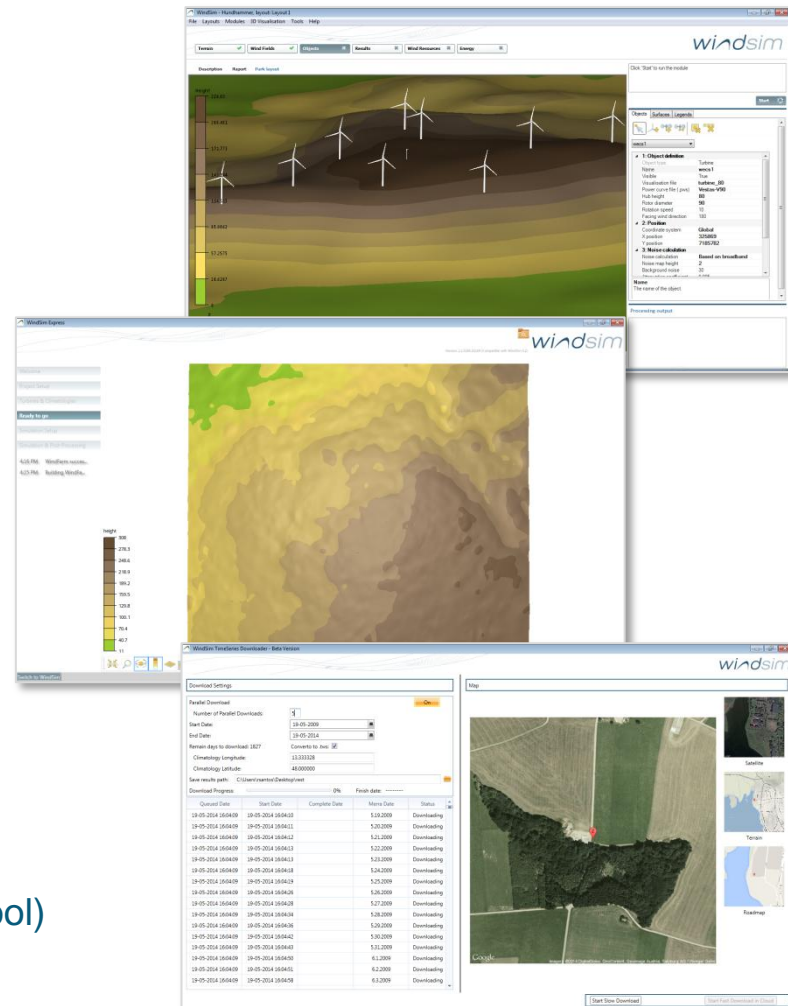
WindSim AS: Software Suite

Software:

- WindSim
- WindSim Evaluation
- WindSim Express/WindSim Express Cloud
- WindSim Park Optimizer
- WindSim Power Forecasting

Tools:

- WindSim Terrain Editor
- WindSim Reanalysis Data Downloader
- WindSim RSCT (Remote Sensing Correction Tool)
- MCU (Multiple Core Utilization)



WindSim AS: Software Suite – Wind project time span

Pre-construction

Construction

Post-construction

