

Summary

The Ground Movement Strategic Planning tool has been developed for evaluating different airport infrastructure design and operation scenarios, in particular in terms of capacity and carbon emission reductions.

Developers: Egis

Applicable sectors							Themes		
All Infrastructure	Buildings	Roads	Water	Energy	Transport	Construction	Materials	Ecology	Wastewater
							Potable Water	Carbon/GHG	Other
Countries	France					Access	Commercially available from Egis		
Compatibility with other tools	The tool is compatible with other Egis tools such as Tandem Empreinte.					Guidance for users	Tool support comes in the form of Egis consulting services.		
Inputs & outputs	<p>The tool receives inputs such as selection of terminal geometries and traffic structures for different design options.</p> <p>The tool outputs a variety of data including emissions and capacity for each option to enable comparison.</p>					Methodology	<p>Ground Movement Strategic Planning enables evaluation of different infrastructure design and operation scenarios in terms of capacity and carbon emission reduction.</p> <p>It supports decisions such as terminal geometry, parking stand usage, addition of taxiways and addition of rapid exits.</p> <p>It supports different traffic structures as well as operational conditions including wet/dry condition and usage of reverse.</p>		
Database library	The tool utilises inbuilt aircraft and engine databases, emission figures, descriptions of routings between parking positions and runways, apron allocation rules and traffic characteristics.					Data intensity & flexibility	Data intensity is reduced thanks to the tool's accompanying databases and consultancy services.		