



A MIP Model and Several Approaches to Schedule Maintenance in Wind Farms on a Short-term Horizon

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Auteur	Froger, Aurelien [1], Gendreau, Michel [2], Mendoza, Jorge E [3], Pinson, Eric [4], Rousseau, Louis-Martin [5]
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Résumé en anglais	Taking into account wind prediction when scheduling maintenance on wind turbines can lead to potential gains. Preemption, transfer times for resources, and outsourcing are considered in this problem. The objective is concerned with maximizing the difference between the profits of wind farms related to the estimated production and the costs associated with outsourcing and resources transfers. A MIP model, a benders decomposition technique and a constraint programming approach are proposed.
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