

Fiche analytique – Mémoire de Master MUSE

A rendre au secrétariat lors de l'inscription à la soutenance du mémoire

* champs obligatoires

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TITRE MEMOIRE*	Solar photovoltaics for large prosumers in Geneva : preferences and incentives		
NUMERO MEMOIRE	489 (à remplir par le secrétariat)		
DATE SOUTENANCE	16.05.2022	Salle: annex room 6A	Heure: 16h
THEMATIQUE* (AFFILIATION)	Energie		
VOLEE MUSE*	2019-2020		
TITRE ACADEMIQUE* (par ex.: licencié en biologie)	Bachelor en sciences de la terre et de l'environnement		
DIRECTION* / EVALUATION	Directeur de mémoire* Parra Mendoza David	Co-directeur de mémoire* Van Der Kam Mart	Nom(s) du ou des juré(s)* Chaix Thierry Schneider Stefan
STAGE (éventuel)	Organisme d'accueil	Maître de stage	
Projet de l'ISE (éventuel) auquel le mémoire est rattaché			
Bourse (éventuelle) reçue par l'étudiant			
COLLATION*	Nb de pages* 181	Nb de figures* 24	Nb de tableaux* 27
TERRAIN D'ETUDE OU D'APPLICATION			
MOTS-CLES* (entre 5 et 10)	Solar photovoltaics, renewable energy, Geneva, interview, diffusion		
RESUME* (max 1500 car)	This work focuses on the barriers and obstacles faced by non-residential building owners in installing solar photovoltaic panels in the canton of Geneva.		
SUMMARY* (en anglais)	Renewable energy is essential in the energy transition to address climate change. Solar energy has a great potential for electricity production and its development is vital to achieve the various objectives set by the European Union such as carbon neutrality in 2050. However, many non-residential buildings with large roof areas are not yet equipped with photovoltaic panels although they have a huge potential. This work focuses on the barriers and obstacles faced by non-residential building owners in installing solar photovoltaic panels. We conducted 13 semi-structured interviews and a techno-economic analysis to understand the motivations and parameters influencing the adoption of this technology in non-residential building owners. Our results highlighted that a poor coordination between the renovation of a building and the installation of solar panels acts as a barrier and that the presence of a binding legal framework acts as a driver for the development of solar energy. It is also essential to maintain high renovation rates to develop the installation of photovoltaic panels.		
REMARQUES			