



Sultan Moulay Slimane University
Faculty of Sciences and Techniques
Department of Earth Sciences



Master Sciences and Techniques
Option: Environmental Geomatics
Master thesis

Entitled

**Extraction and analysis of snow
seasonality metrics in
Moroccan Atlas Mountains using Google
Earth Engine platform**

Prepared by:

Youssra El jabiri

Defended on July 13, 2021
Thesis committee:

| | | |
|--------------------|--|------------|
| Abdenbi El ALOUI | Professor, Fac. Sc. and Technics. | President |
| Morad KARROUM | Professor, Fac. Sc. and Technics. | Examiner |
| Hayat LIONBOUI | Researcher at the National Institute of Agronomic Research, INRA Morocco. | Examiner |
| Abdelghani BOUDHAR | Professor, Fac. Sc. and Technics. | Supervisor |