

1. Research projects

Regional scientific project (1) :

Structural Health Monitoring : 2020/2024 **PSPC Région 2** - diagnostic des ouvrages en béton armé par capteurs optiques - coordination entreprise Léon-Grosse – direction scientifique LOCIE (O.PLE) – 1,5 Millions d’Euros

National Research project (4) :

Sustainable Building Materials: 2018/22 **ANR V-BATCH JCJC** – comportement hydromécanique du pisé – porteur N. Prime (LOCIE) – réfèrent senior O. PLE (280 kEuros). 2012/16 **ANR PRIMATERRE** – comportement thermo-hydro-mécanique du pisé – coordination ENTPE + LOCIE – encadrement de la thèse de R. El Nabouch. 2012/2015 **ANR TERREDURABLE** – comportement des argiles en remblais – coordination BE EGIS-Géotechnique – direction scientifique 3SR (J. Monnet et O. PLE) - 130kEuros. 2006-2010 **ANR REMPARE** – merlons de protection – coordination entreprise Razel – direction scientifique 3SR (P. Gotteland et O. PLE) - 105 kEuros.

National Research & Development project (1) :

High performing concrete: 1997 **PN REACTIF BETONS DUCTILES LMT/BOUYGUES /Mécanique /BME/151097** - (1,5MF).

Industrial project (11):

2019-2021 ALPHI - essais pour étais - responsable LOCIE O. PLE (10 kEuros). 2018 EDF-CIH – vérins souples pour barrages – responsable LOCIE O. PLE (150 kEuros). 2018 ALPHI – essais sur étais – responsable LOCIE O. PLE (10 kEuros). 2017 Contrat CIFRE Léon-Grosse, direction N. Prime et O. PLE (45 kEuros). 2016 Contrat Bouygues, Implenia SA, Perret – essais sur étais – responsable LOCIE O. PLE (6 kEuros). 2015 BlokiWodd – Pushover sur caisson bois avec isolation – responsable LOCIE O. PLE et P. Perrotin (15kEuros). 2012 Contrat CIFRE VINCI Terrassement, direction O. PLE (45kEuros). 2010 Contrat CIFRE IMSRN, direction J. Monnet et O. PLE (20kEuros). 2005 Contrat CIFRE Scetauroute/Andra/Benedetti, direction JP. Gourc et O. PLE (45 kEuros). 2001 Contrat EDF HT25-C2001-008/BG-EDF/LMT – responsable O. PLE (170kF). 1998 Contrat SOLLAC LERM/LMT/SOLLAC – responsable O. PLE (65kF).

2. International collaborations

International collaboration with **Ton Duc Thang University**, Vietnam (10 papers)

International collaboration with **University of Tebessa** in Algérie - Direction des thèses de Ismail Layadi et Choayb Belghiat (7 papers).

International collaboration with **National University of Civil Engineering Gai Phong**, Hanoi, Viet Nam (5 papers)

International collaboration with **University of Indonesia** - Depok, Jawa Barat (1 paper)

International collaboration with **University of Glasgow**, UK (1 paper)

International collaboration with **University of Malaya**, Kuala Lumpur, Malaysia (1 paper)

3. Awards or achievement

2015-2021 : Head of the French academic association of Civil Engineering - <https://www.augc.asso.fr/>

2018-2024 : Editor in Chief of Academic Journal of Civil Engineering - <https://journal.augc.asso.fr/index.php/ajce/index>

2021-2022: Editor in Chief of Materials journal (IF = 3,05)

2018-2019: Guest editor of Sustainability journal (IF = 2,57)

2018-2019: International expert for Ton Duc Thang University (Top 4 in Vietnam).

2018-2021: Expert for the High Council for Research and Higher Education Evaluation (HCERES)

2020-2021: Expert for the Ministry of Sustainable Development

2007: Scientific Award from University Grenoble Alpes (Top 100 in ARWU) - price (50kEuros)

2019-2021: Staff members of RILEM TC 274 on «Earth-based building materials»

Research bonus between 1999-2002; 2003-2007 and **2020-2024** (5 kEuros/year)

Scientific excellence bonus between 2013-2017 (5 kEuros/year)