**Focus**

The focus of the project is to control;

- Malaria – Infects more than 300 million people worldwide (~ one person in every 30 seconds)
- Dengue - 100 million cases of dengue and 250,000 cases of dengue hemorrhagic are reported every year

Current repellents are synthetic and are associated with the several shortcomings;
- Harmful to the user and the environment
- Resistance of conventional repellents is increasing
- Short efficacy

The target group of our novel mosquito repellent personal protective equipment is professional travelers;
- Business
- Research
- Education
- Missionary
- Peace corps
- Volunteers
- …...

Professional travelers underuse personal protective Measures due to some concerns;
- Safety of permethrin impregnated materials and DEET
- The smell of DEET
- Sticky feeling of DEET lotion

**Biobased mosquito repellent textiles**

Our aim is;
- Novel biorepellents
- Innovative slow release system

Target Mosquitoes
- *Anopheles stephensi* a night feeding mosquito that causes malaria
- *Aedes aegypti* a day feeding mosquito that causes dengue

Our objective;
- Optimize conditions of use of biorepellents
- Determine ways of integrating biorepellents on textile products

**The NO BUG Consortium**

1. Universiteit Gent
   Dept. of Textiles
   Belgium
2. Universität Bonn
   Dept. of Terrestrial Ecology
   Germany
3. CNRST
   Morocco
4. Devan Chemicals NV.
   Belgium
5. HOL-tex GmbH
   Germany
6. Paul Boyé SA.
   France
7. Body Waer kft
   Hungary
8. S.C. Ro Challenges S.R.L.
   Romania
9. Utexbel N.V.
   Belgium
10. REFOTDE
    Cameroon

* Corresponding author

Authors gratefully acknowledge the support of the European Commission, Grant agreement NMP2-SE-2009-228639