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## **In-field evaluation of sportive performances with portable equipment**

### **Who are the patients/targeted population?**

Athletes who want to follow their performance evaluation during in-field training.

### **What is the problem?**

To obtain an objective evaluation of their progress based on their physiological aptitude, athletes need to perform specific tests in specialized laboratories. There is a limitation of availabilities of the material used for athletes in laboratories as well as the need to go to the laboratory. Moreover, the lab environment is different from the usual situations that the athletes face, which can bias the interpretation of the results.

### **What is the need?**

It will be very valuable to have a system that allows us to measure in-field physiological parameters during the practice of sports. Ideally, the equipment should be portable and comfortable to wear.

### **What is the benefit (if the problem is solved)?**

Most of the abovementioned problems could be partially solved by having in-field portable and, if affordable, could be democratized to the non-elite sportive.

### **Wrap-up**

Portable and comfortable in-field sports physiological performance evaluation could revolutionize sports training.