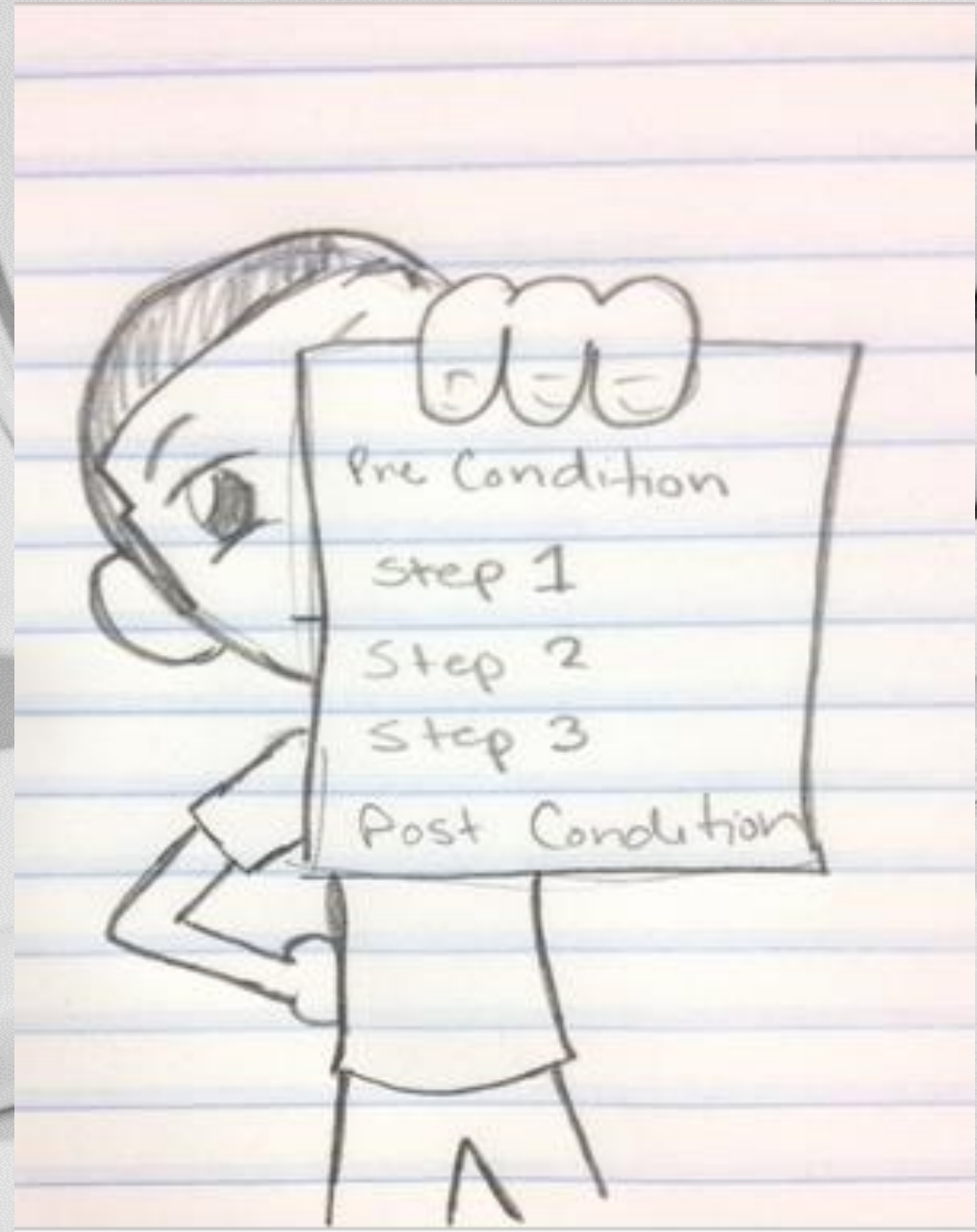




**Why should you start
using e-Celsius
Performance®
Let's talk about the
Use cases.**



e-Celsius Performance[®]

Technical features

Up to 3
pills per
monitor



RF: 434 Mhz
Communication
range 1 to 3 meters.



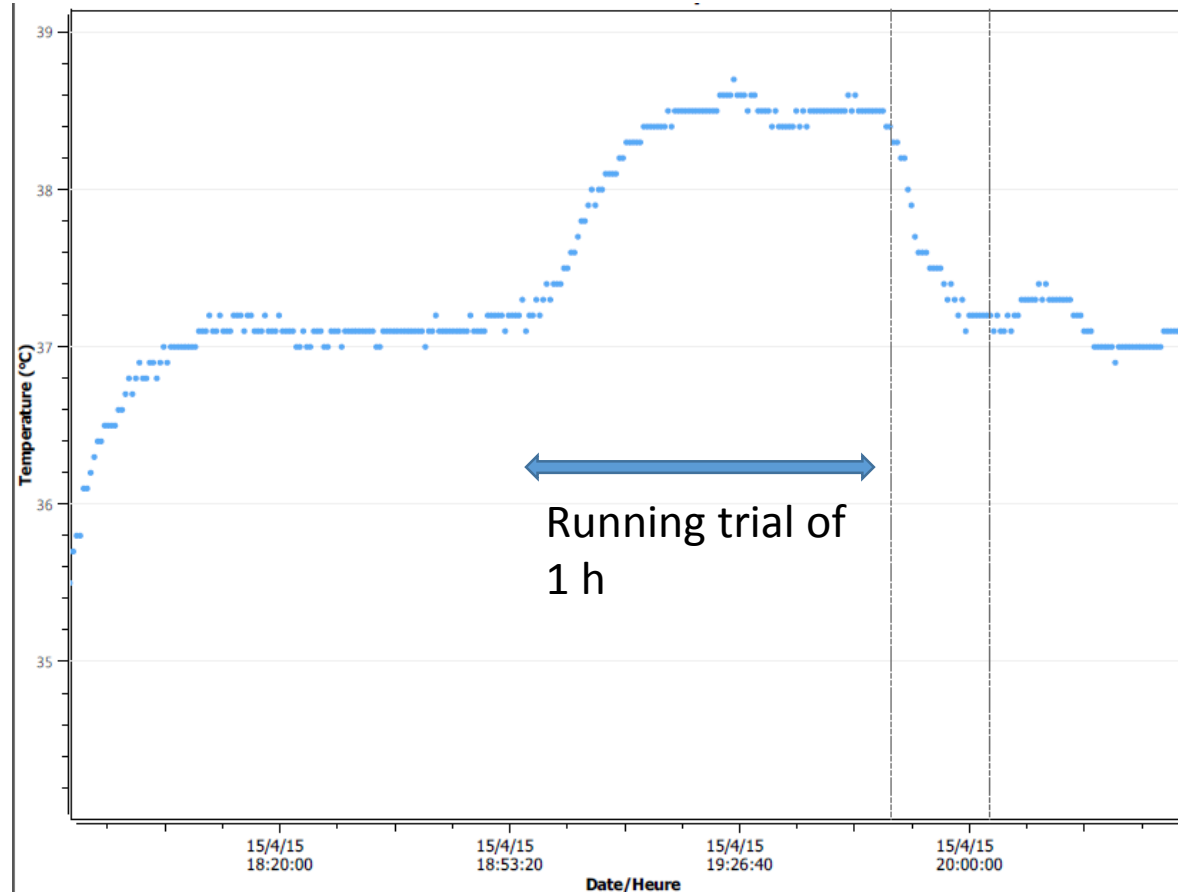
Storage duration: Up to 1 year
Life duration after activation: 20 Days
Size : 17.7 mm x 8.9 mm
Weight: 1.2 g
Accuracy: 0.2°C
Continuous communication

Up to 2000 data stored into the internal memory of the pill
Automatic synchronisation with the monitor
Sampling frequency: 30 s

100% of the data collected are recovered.

e-Celsius Performance[®]

- **Reliable**
- **Accurate**
- **Not cumbersome**



The data are collected during the race and recovered just after the session, in just few minutes.

e-Celsius Performance[®]

Use Case

Hypothermia prevention

The monitoring of core temperature in all sports situations that could imply hypothermic risk allows to study the individual coping skills in critical environments:

- Ice Water Diving
- Long distance swimming



Added value

- Individual data reliability
- Suitable for water environment
- No discomfort for the athlete

Our experience

Collaborative work with the Research Platform Active Ageing
University of Vienna
Objective: Crossing the Channel



e-Celsius Performance[®]

Use Case

Hyperthermia / Heat Stroke prevention

Long duration exercises performed in the heat induce a core temperature raise that could lead to hyperthermia, up to heat stroke.



Collaborative studies with University of Montana.
Study conducted in the context of Heat stroke prevention in soldiers of US Air Force.

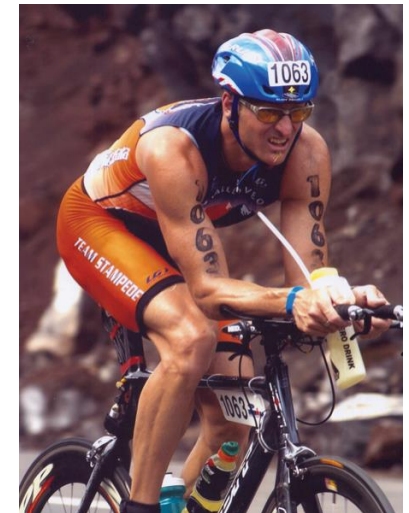
Added value

Possibility to recover the data in real time

Full ambulatory measurement, without any monitor to carry during the recording session.

Sensitive and accurate measurement

Our experience



e-Celsius Performance®

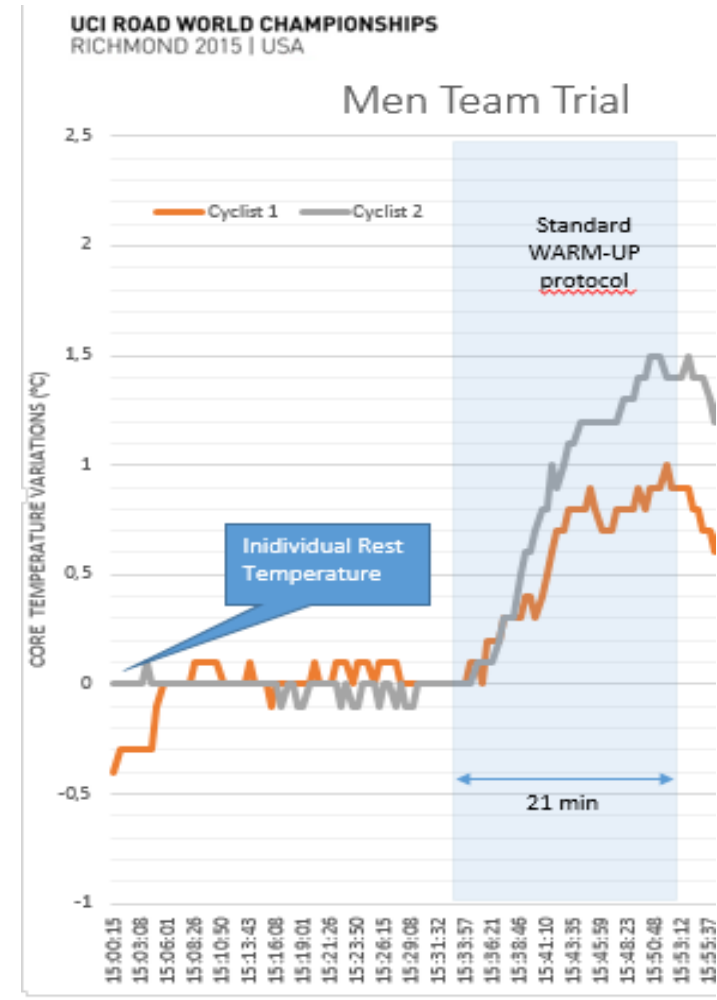
Use Case

Warm up optimisation

In the context of sports performance, thermoregulatory responses are very different between individuals. These differences are reflected both by different thresholds for triggering thermoregulatory mechanisms as well as significant changes related physiological responses.

Our experience

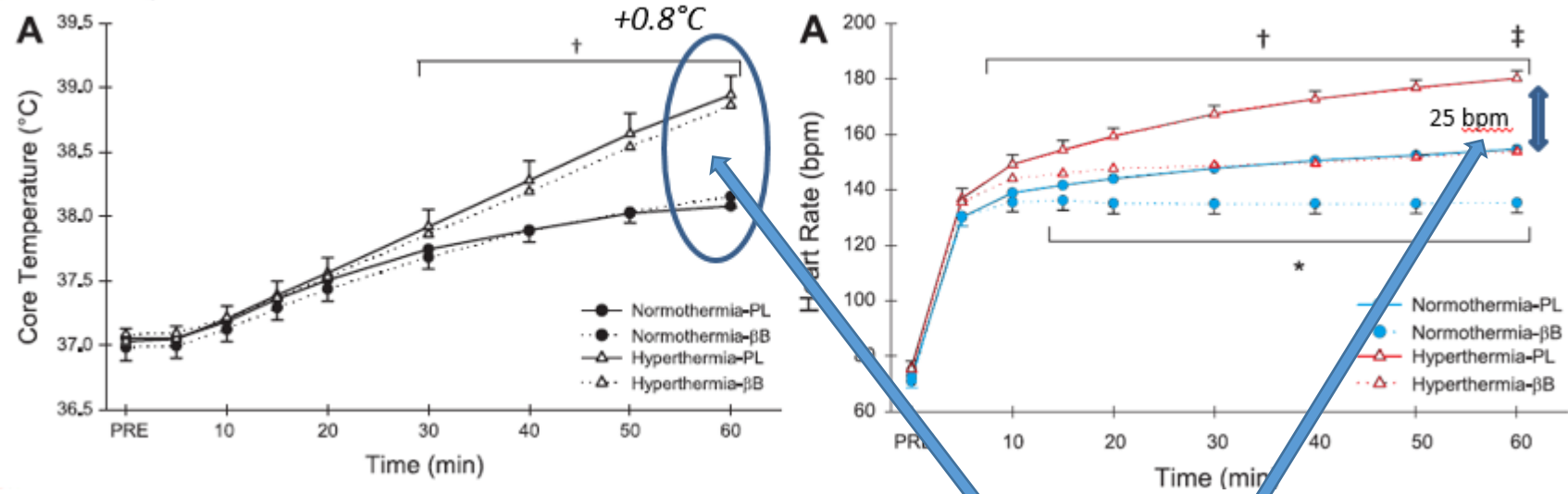
Collaborative studies are conducted with the pro cycling team FDJ to better understand the individual profile of each cyclist



e-Celsius Performance®

Use Case

Better understand the drift of Heart Rate directly due to hyperthermia



In the context of Submaximal exercises (57% VO_{2max}):

Hyperthermia leads to

- increased HR,
- significant decrease in Stroke volume.

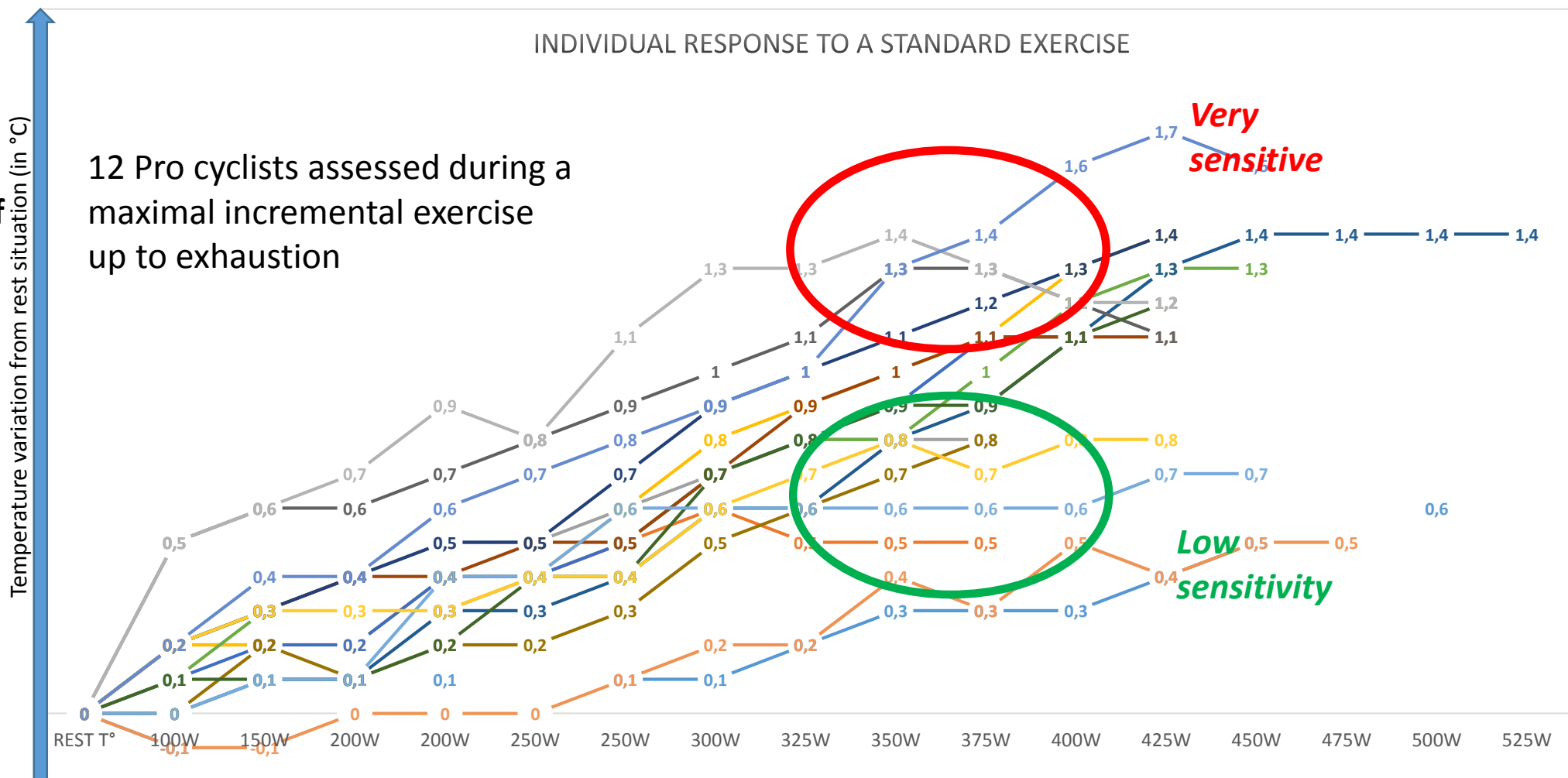
A rise of 0,8°C in core Temperature involves a rise of 25 bpm of submaximal HR

e-Celsius Performance®

Use Case

**Better definition of
each athlete's
thermoregulation
profile**

12 Pro cyclists assessed during a
maximal incremental exercise
up to exhaustion

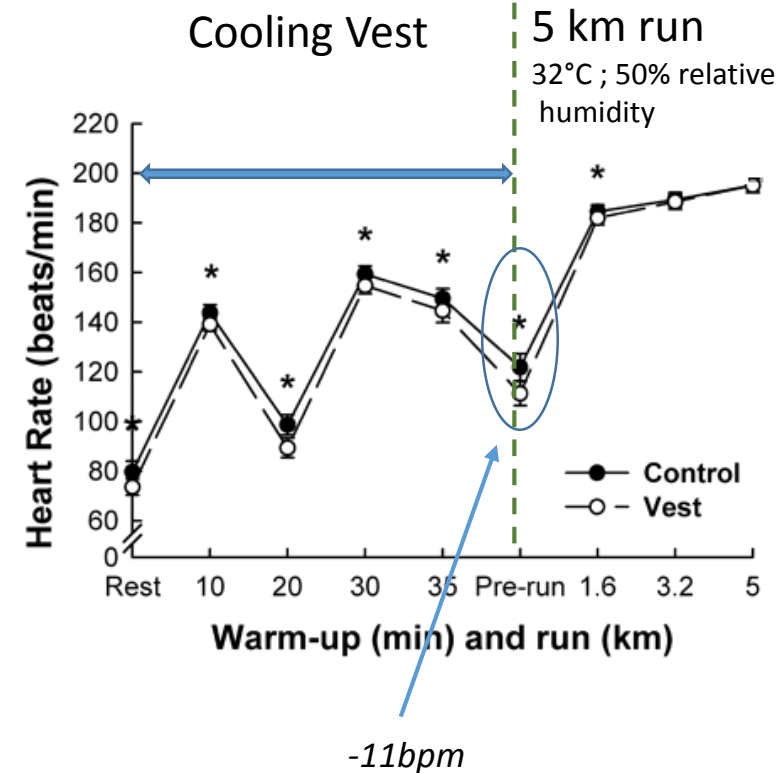
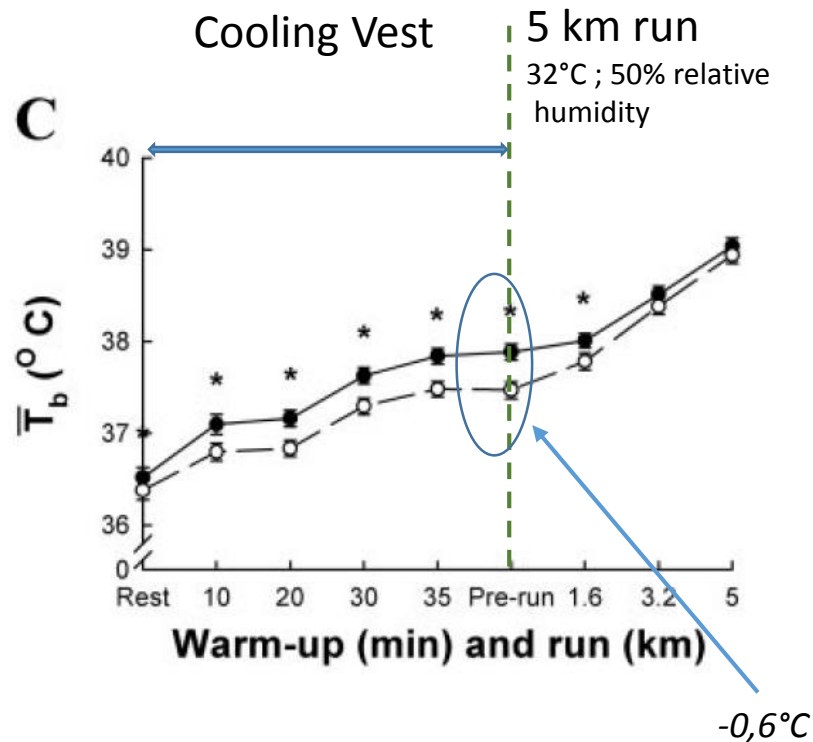


e-Celsius Performance®

Use Case

What is the Real benefits of your pre- and post-cooling methods for each individual ?

Innovative technologies for innovative procedures

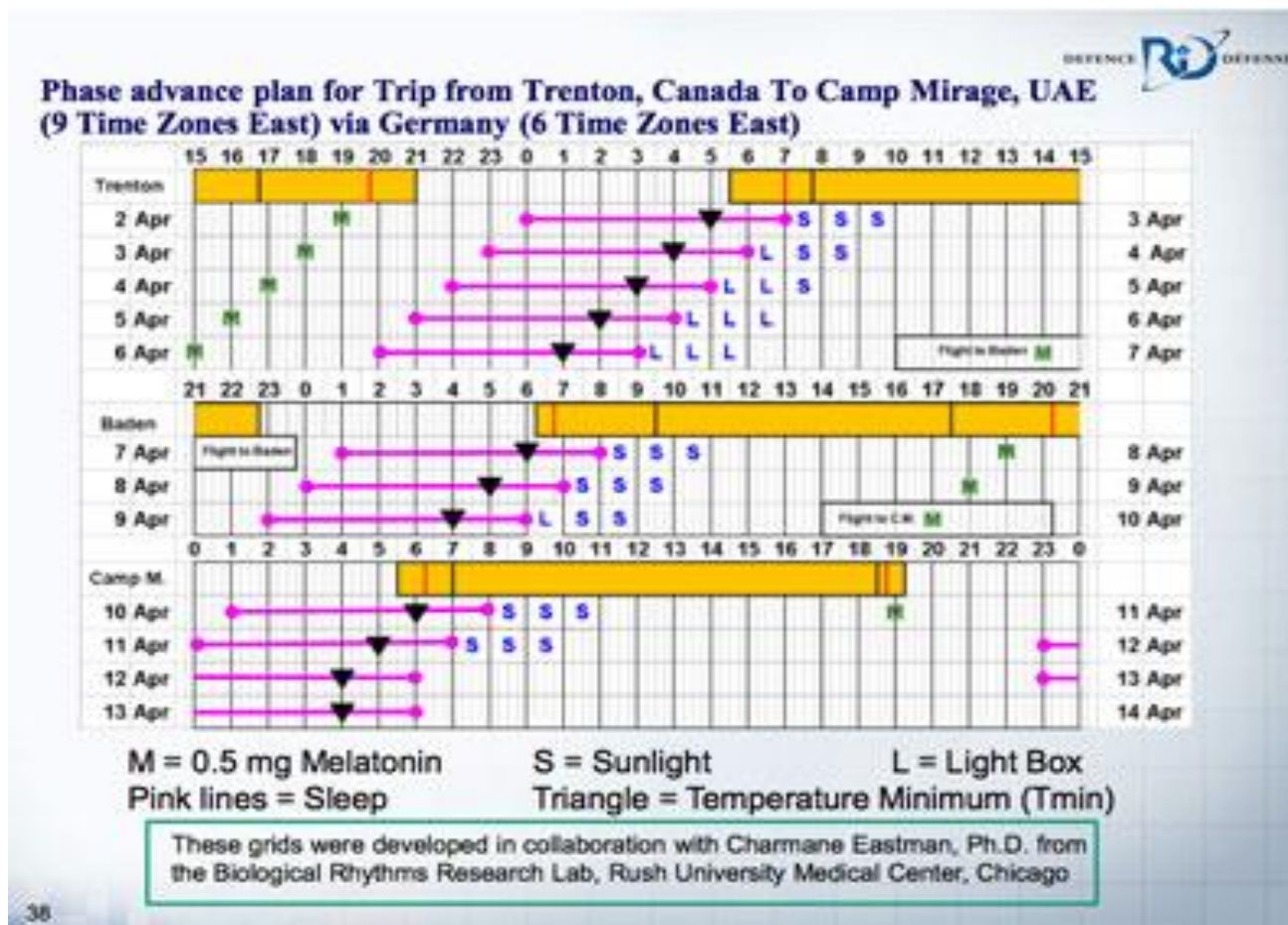


e-Celsius Performance®

Use Case

Prevent the Jet Lag effect on physical performance

Circadian synchronization is a key point for performance in elite Athletes. After a travel across time zones, the delay necessary to recover a standard rhythm is individual and ranges between 2 to 10 days depending on the subject's travel condition.







BodyCAP
Your e-health partner

ÉQUIPE
CYCLISTE



5th Stage

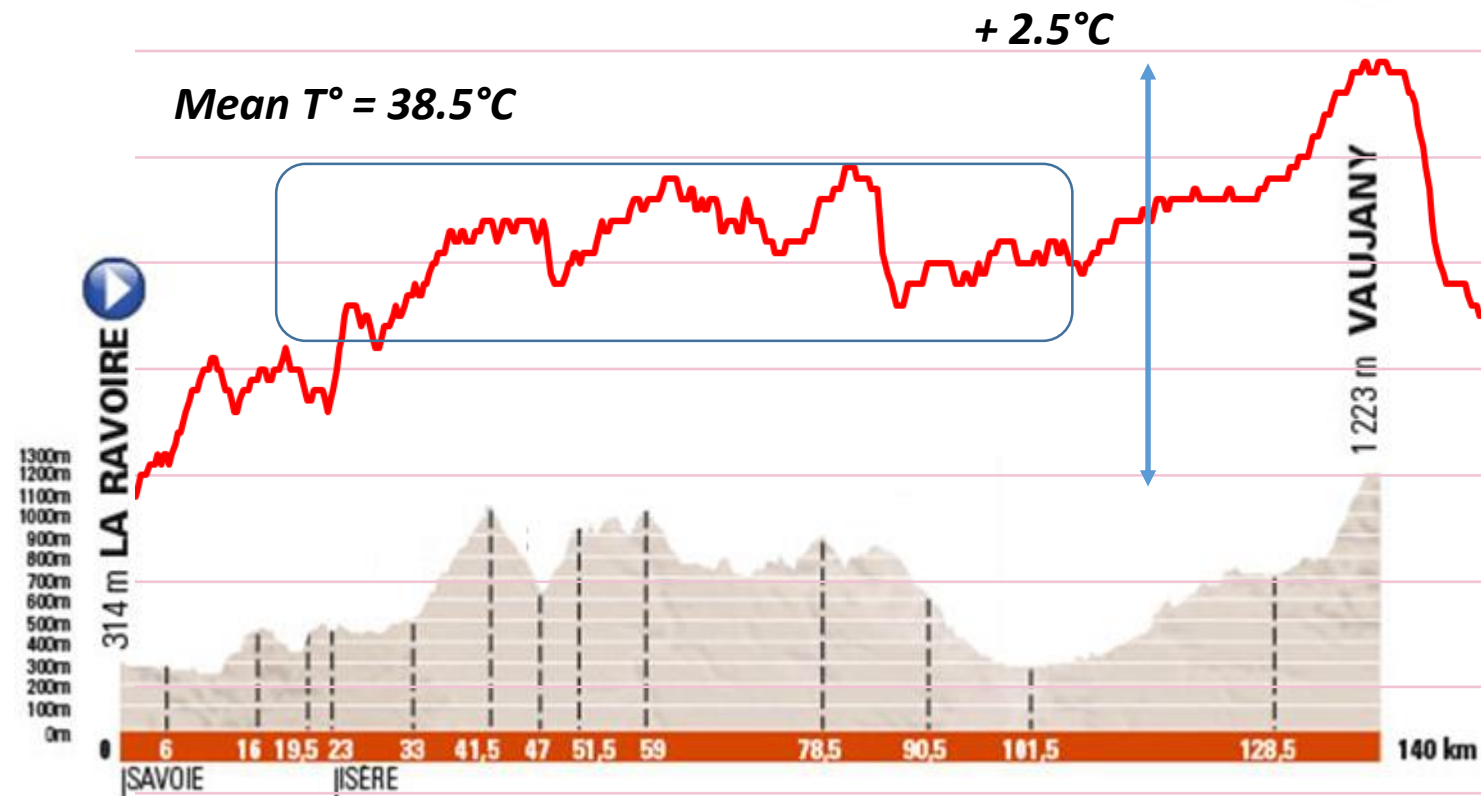


Ambiant T° = 24,4C°

Dauphiné Libéré – June 10th

The Pro-Cycling Team FDJ trusts us for 1 year. They use e-Celsius Performance routinely during training and competition.

Good Balance between Heat Production / Heat Dissipation



A real added value to follow the recovery, and for individual thermoregulation profile analysis.

He uses our System !!!!!



**Thibaut Pinot,
National Champion of Individual Cycling Time
Trial 2016**



BodyCAP is a Partner of one of the most Amazing project in endurance sports competition.



Going down to 2h in Marathon !



She uses our System !!!!!

RECORD RUN IN RIO - JUST THE START FOR AYANA

by Cathal Dennehy / Articles / August 18th 2016

She didn't even know about the record. When Almaz Ayana surged to the front midway through Friday morning's 10,000m final, she had just one thing on her mind: gold.



Gold Medal during the Olympics in Rio, Ayana is one of the Athletes included in the Sub2hrs Project.

She uses our System !!!!!



“I was quite surprised that despite only having to jump a total of 6 times the short turn around time kept her core temperature elevated the entire time. It gave me really good data!!”

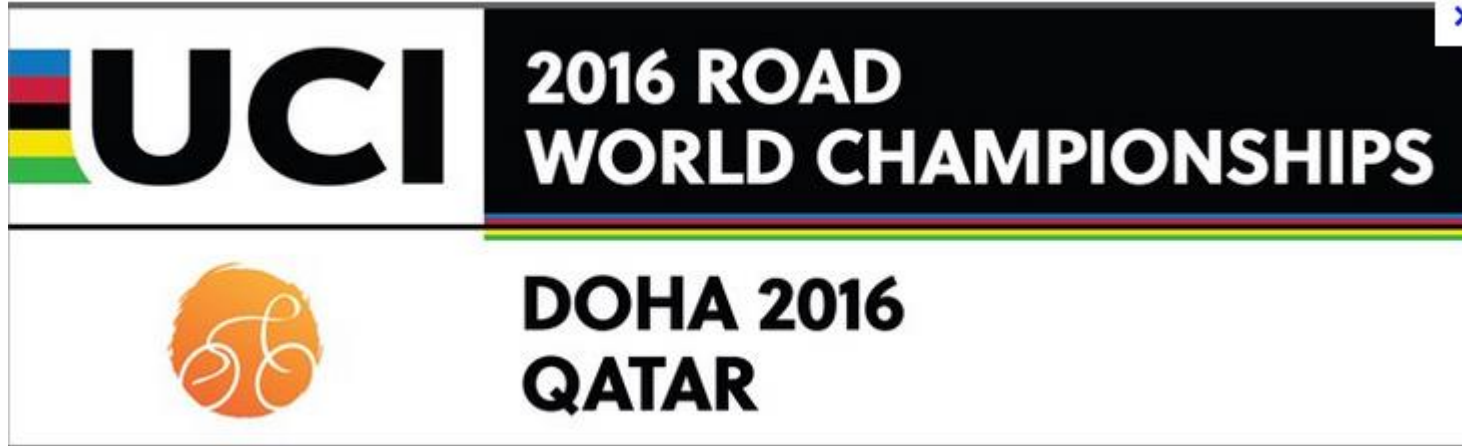
Chad Macias
Molecular Physiologist



**Brittney Reese,
Silver Medal in Rio
for the long jump event**



And what about now ?



More than 150 top level Cyclists will be monitored during the World Cycling Championship set in Doha - October 9th to 16th.

A Partnership with one of the main Sport Clinics over the World.





BodyCAP

Le compagnon santé connecté.