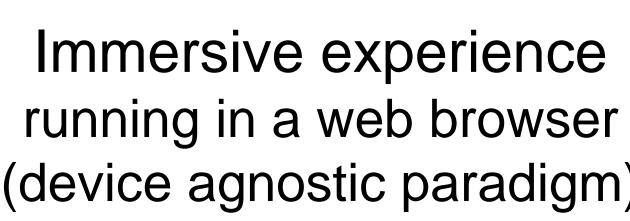
Consumer virtual reality: from entertainment to motion analytics

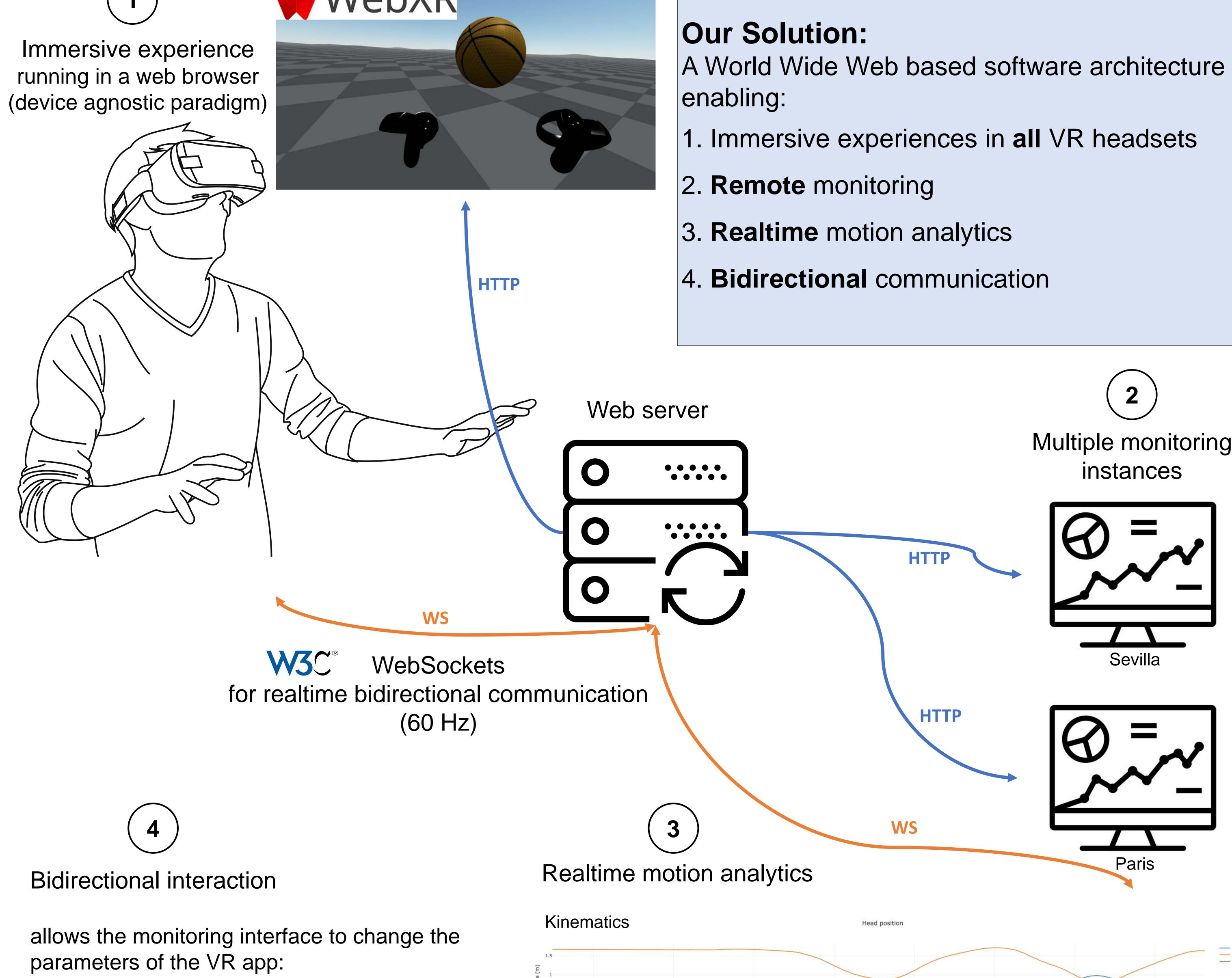
Olivier Nocent (olivier.nocent@univ-reims.fr) Université de Reims Champagne Ardenne, France



The facts:

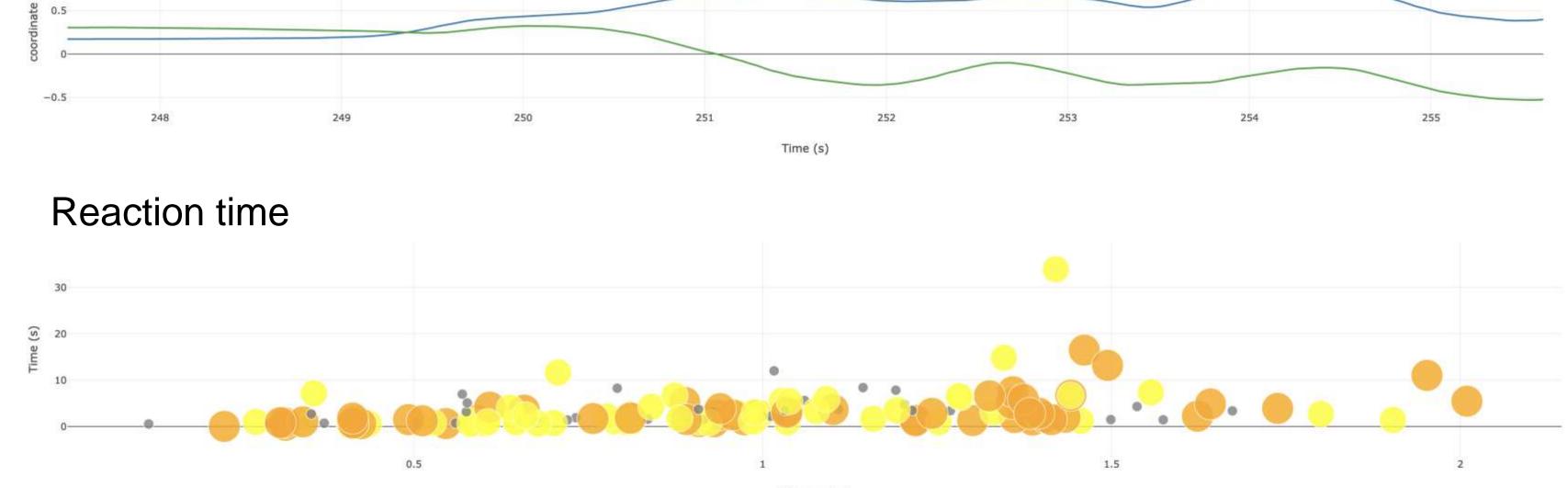
- VR technology more affordable with the rise of the metaverse
- Rich kinematic data provided by VR headset IMU and 6-axis controllers at 60 Hz
- Segmented ecosystem with non compatible VR apps between different devices





Multiple monitoring

- Lighting conditions
- Difficulty of the motor task
- Sound volume



Distance (r



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The 27th Annual Congress of the European College of Sport Science 30 August – 2 September 2022, Sevilla, Spain