

MAY 1 8 2021

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# The Citizen Scientist Wearable Program

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Professor: Kinesiology, Nursing, Cumming School of Medicine

Director: Running Injury Clinic

City of Calgary, PFC Committee Meeting May 18, 2021

# Background

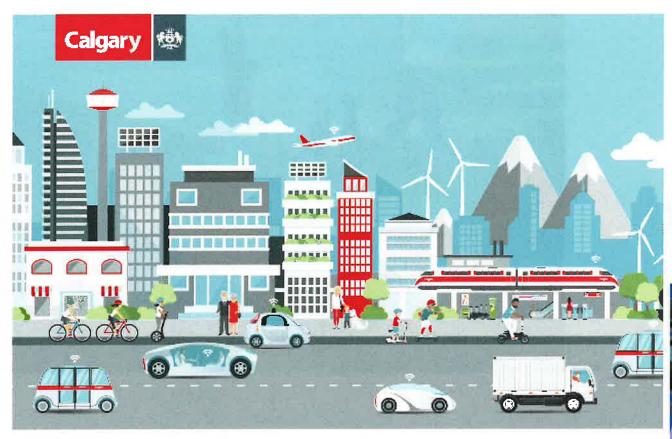


- 1. Approve this application for the Council Innovation Fund for the University of Calgary Citizen Scientist Wearable Program in the amount of \$57,500; and
- 2. Direct Administration to report back to Priorities ad Finance Committee indicating how the money was spent and the outcomes of the projects no later than Q2 2021, as per the Council Innovation Fund Terms of Reference.

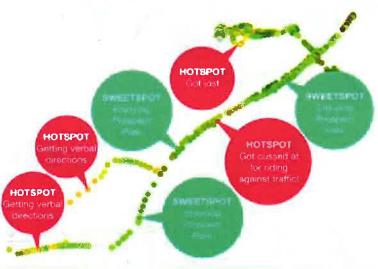




# 2017 - Future of Transportation



Future of Transportation in Calgary

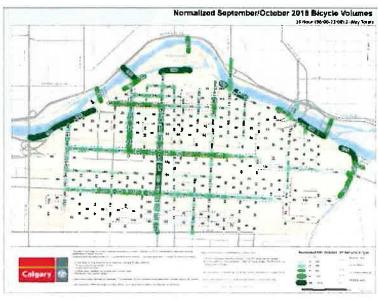


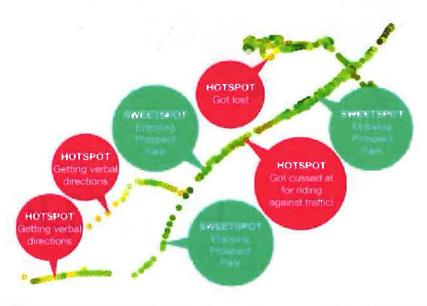


# Cities are for people – Data





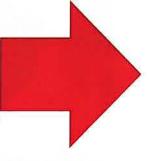




### 2019 - Urban Alliance with U of C











### Collaboration with The City of Calgary



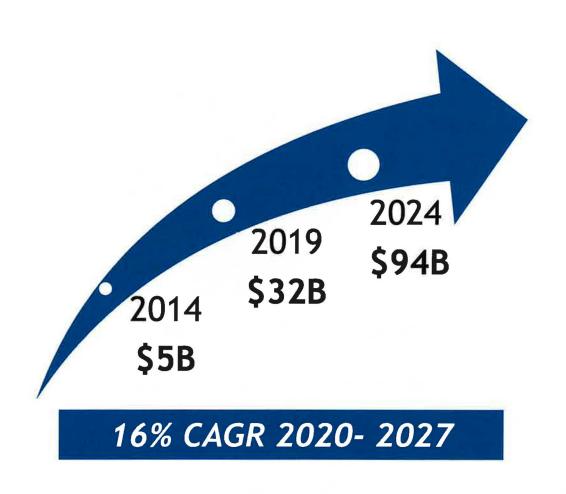


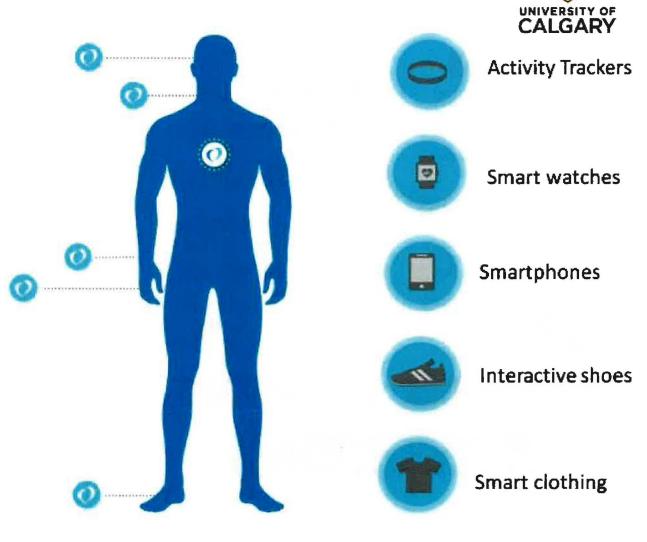
January 2020 -Research Theme Session with City of Calgary and U of C

### Research Themes

- Infrastructure for Active Modes (Running, Cycling, Walking etc.)
- Public Spaces (Sidewalks, C-train platform, school drop-off zones)
- Vehicle Infrastructure and Roadways
- Recreation Facilities
- Office/Workplace Employee Health

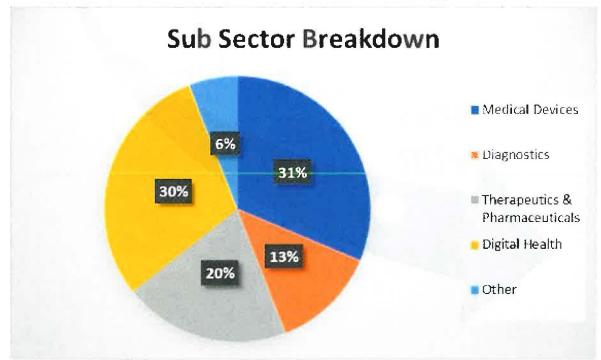
## **Wearable Technology**





### **Calgary in the New Economy**

Life Sciences / Health is one of four emerging sector clusters identified in the economic strategy.



Over 120 life science companies make up Calgary's growing life sciences sector.











Supporting 50+ MSc and PhD students across 8 faculties and 35+ labs

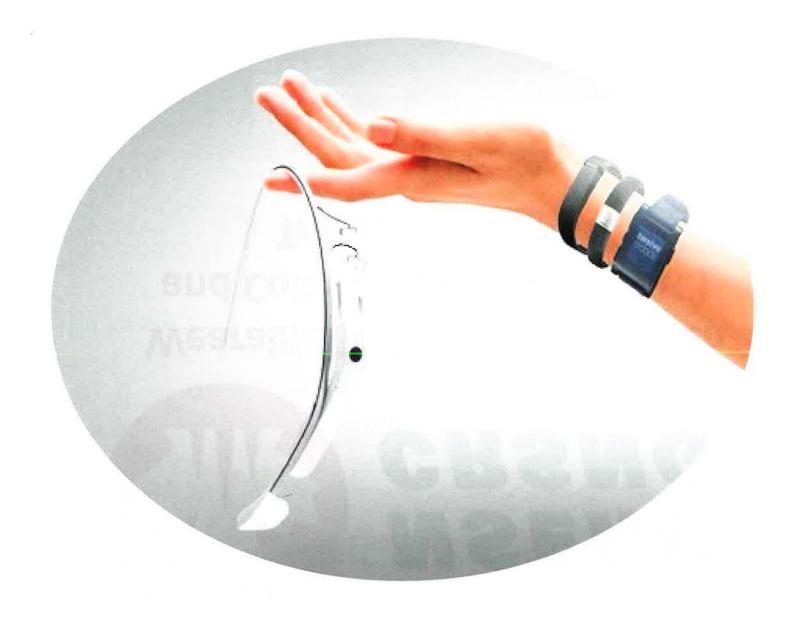
40+ local, national, and international industry partners











# Canada's first Specialization in Wearable Technology

### **The Proposal**





### The Work



Developed a webportal to allow YYC Citizen Scientists to upload wearable technology and smartphone data

wetrac.ucalgary.ca



# Wearable Technology Citizen Scientist Program



500+ Calgarians have volunteered

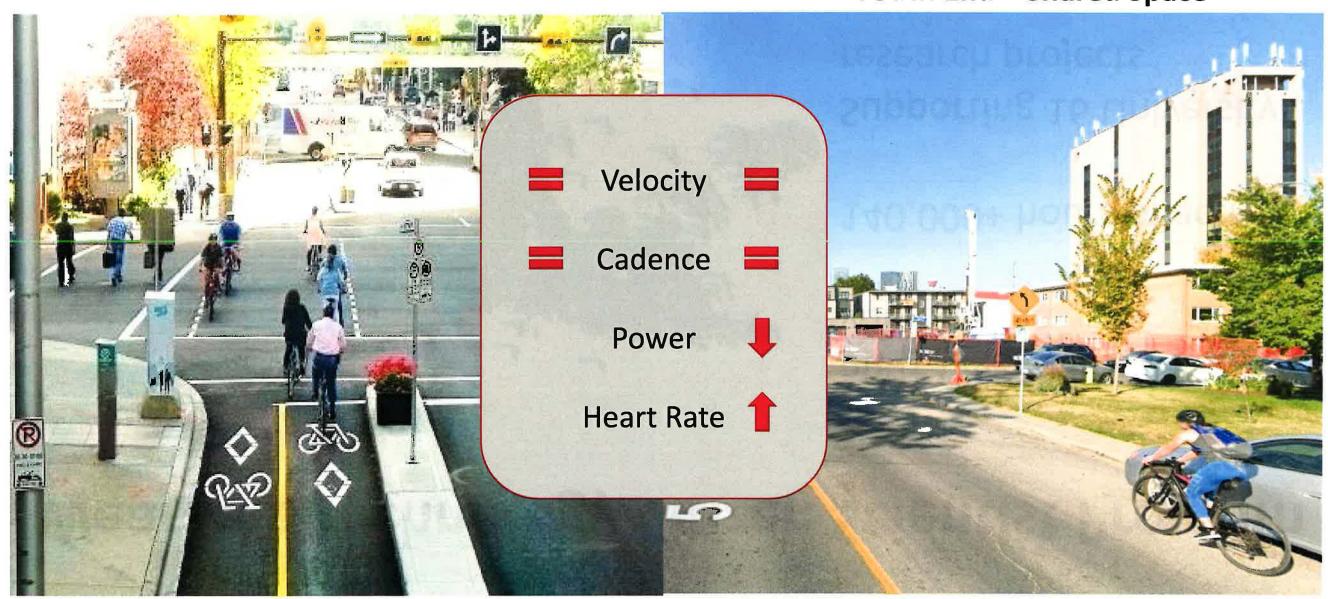
140,000+ hours of activity

Supporting 16 University research projects

### 5<sup>th</sup> Street SW

#### North End - Bike Lanes

### South End – Shared Space



### **Thank You**



# **Questions?**