

A cybercrime perspective in wireless networks

Some Insights into interdisciplinary collaboration in the EU COST Action BEiNG-WISE

Martin Griesbacher

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HFDT Symposium

Behavioral Next Generation Wireless Networks for Cyber Security

BEiNG-WISE – <https://beingwise.eu>

- EU COST Action: Interdisciplinary research network with 236 members in 41 countries
- Goal: to better understand human beings in wireless security systems and how to design usable security solutions



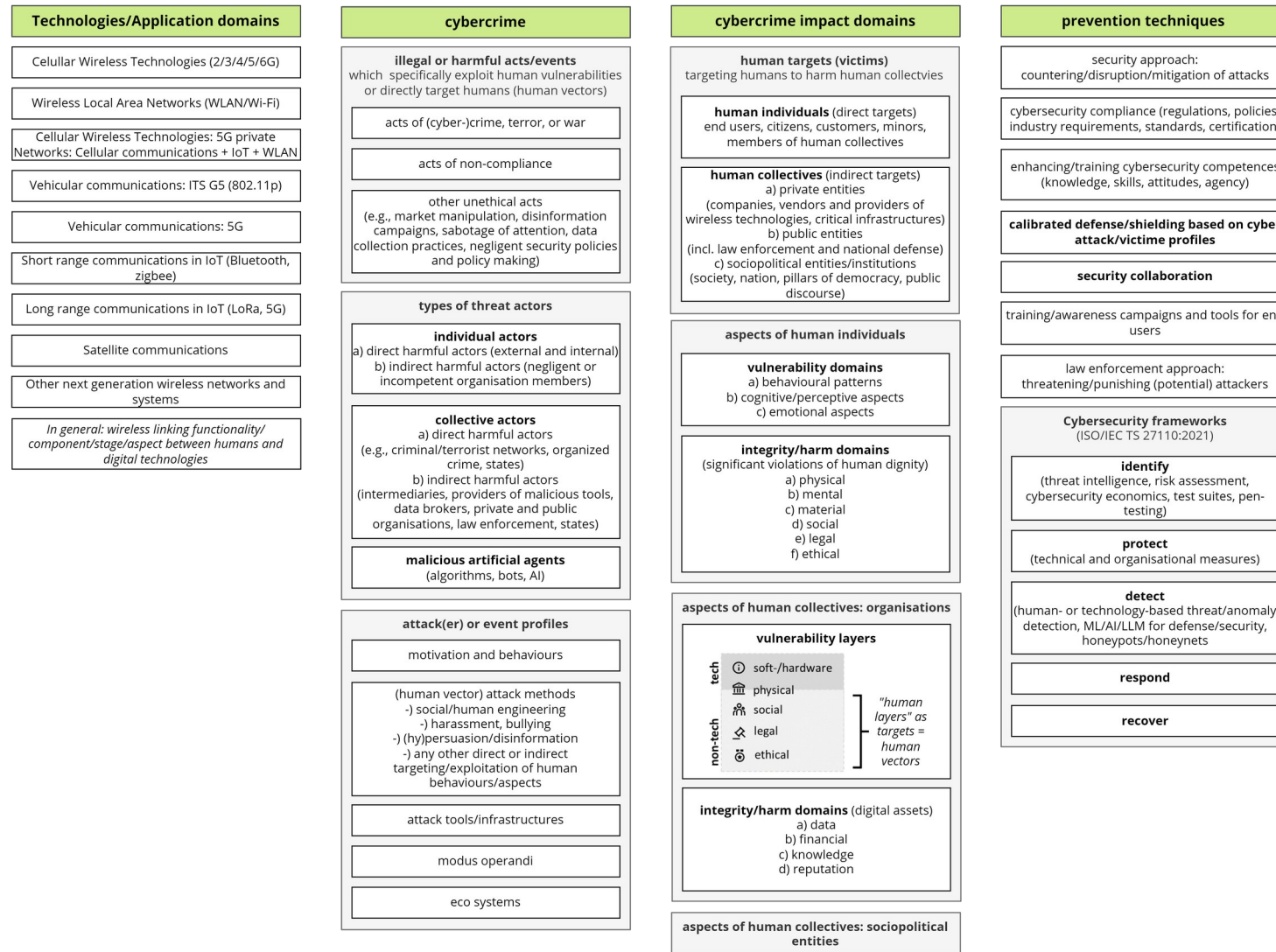
Behavioral Next Generation Wireless Networks for Cyber Security

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- Goal: to better understand human beings in wireless security systems and how to design usable security solutions
- 5 Working Groups:
 1. Cybersecurity in emerging wireless communication
 2. **A cyber-crime perspective in Wireless Networks**
 3. Optimal security approaches for wireless systems and impact on the user
 4. Human Factors in Wireless Security
 5. Legal factors in Cybersecurity Wireless Systems: A Vertical Approach



Working Group 2 - Map of Concepts



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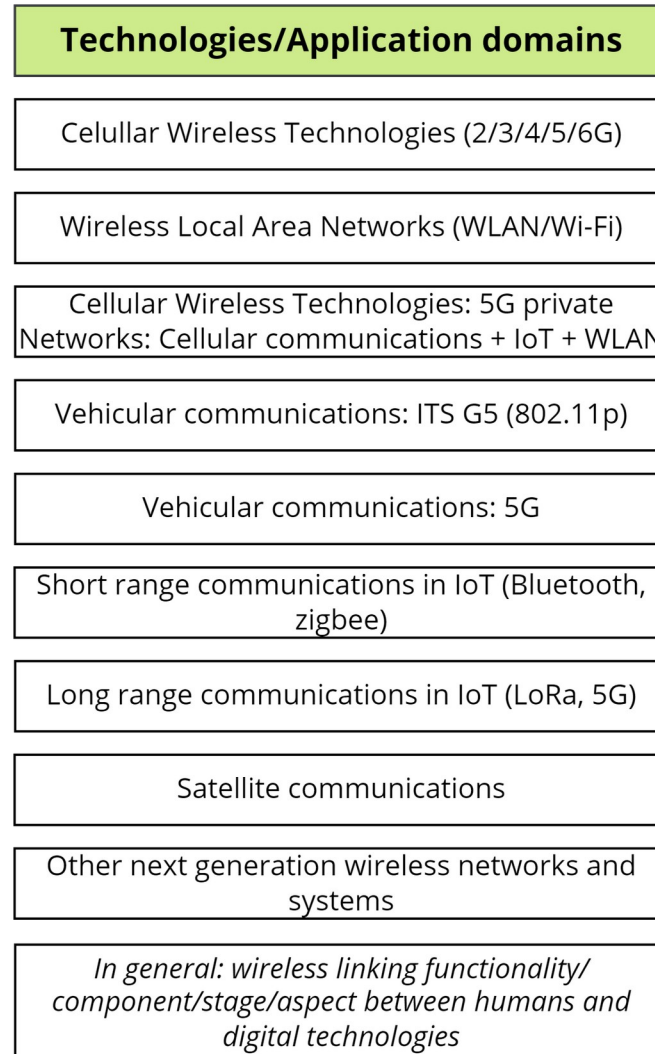
Technologies/Application domains

cybercrime

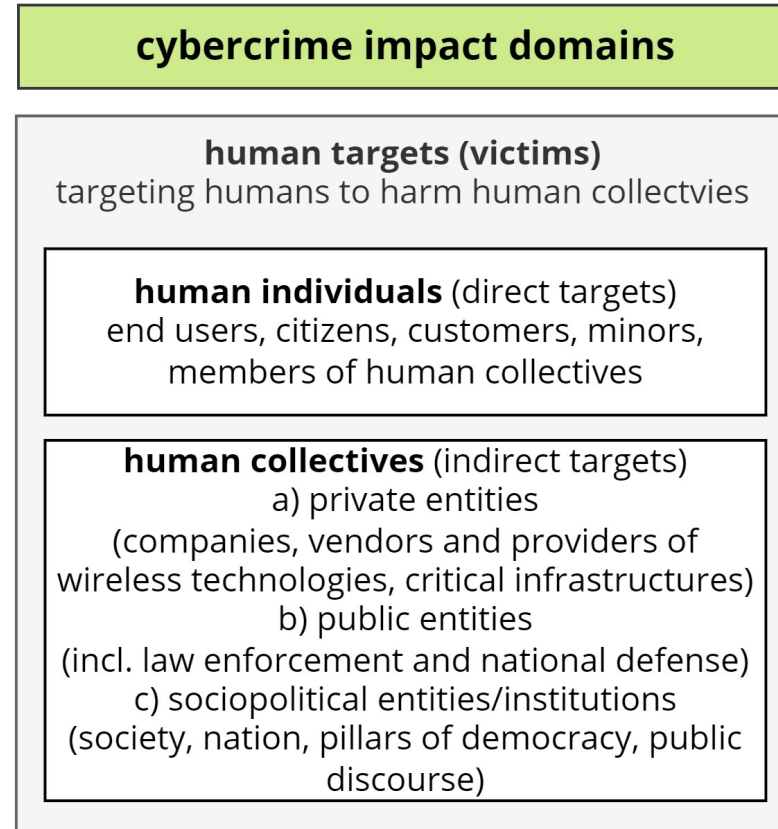
cybercrime impact domains

prevention techniques

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Widening the perspective: Cybercrime vs. Harm

Human factors of cybersecurity
based on European values and
fundamental rights

Widening the perspective: Cybercrime vs. Harm

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Cosmopolitan Harm Convention
to „protect everywhere from
avoidable suffering and distress“*

* Linklater, A. (2001). Citizenship, Humanity, and Cosmopolitan Harm Conventions; International Political Science Review / Revue internationale de science politique, Vol. 22, No. 3, Transformation of International Relations: Between Change and Continuity. Transformations des relations internationales: entre rupture et continuité (Jul., 2001), pp. 261-277 (17 pages)

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harm caused by and through
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Widening the perspective: Cybercrime vs. Harm

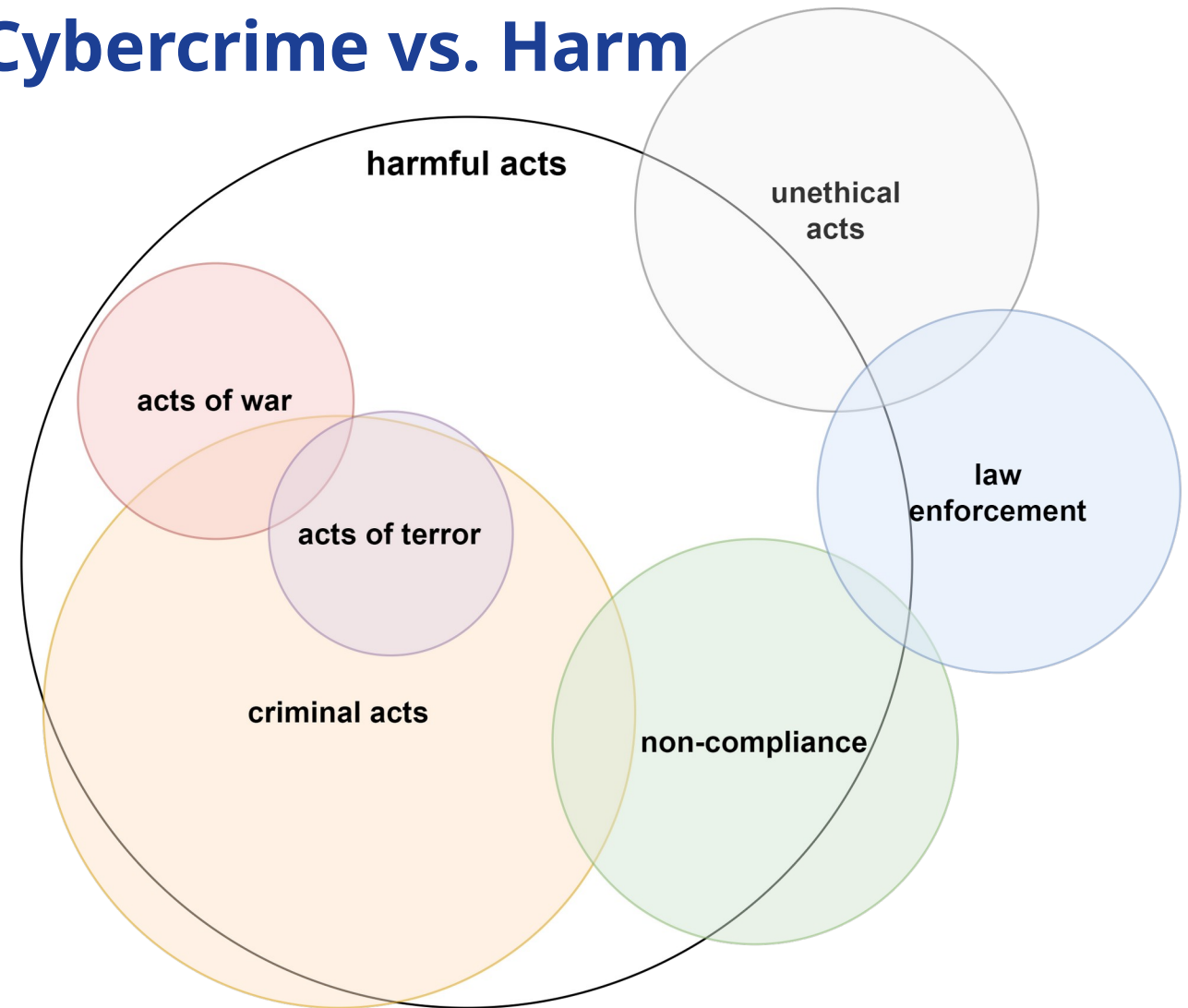
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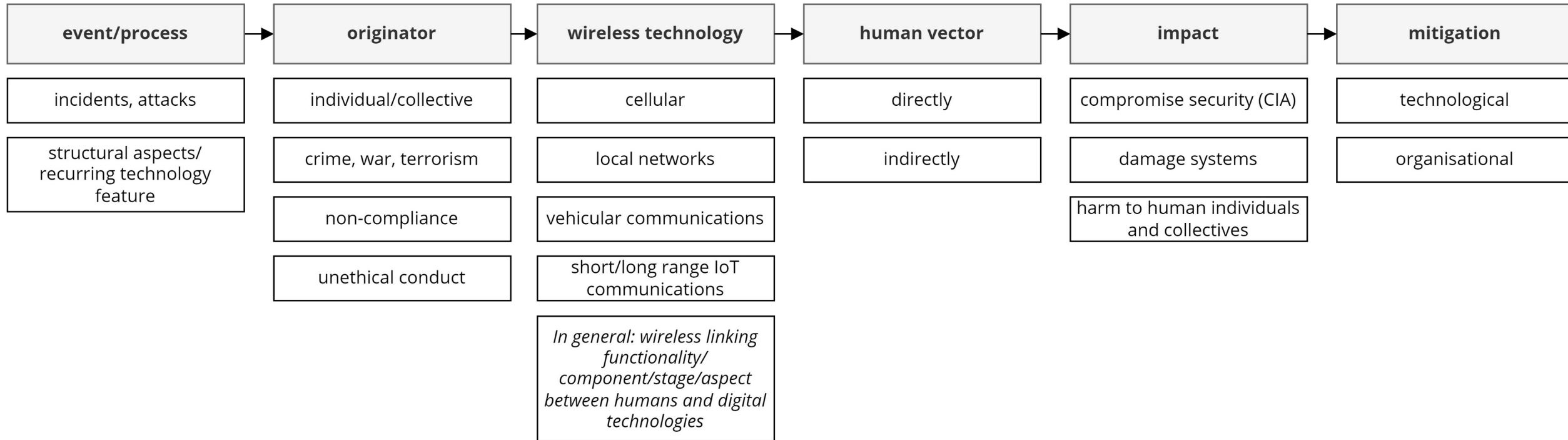
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Focus of Working Group 2

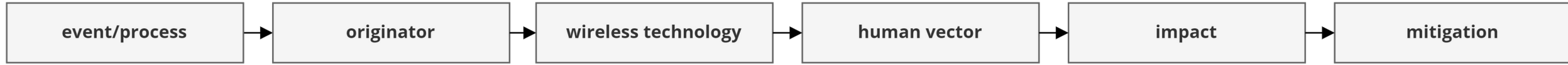
interdisciplinary perspectives (sociology, psychology, economics, media science, legal, (geo-)political, technological, ...) on ...

- a) events/processes,
- b) and their originators,
- c) which depend on the use of (new) wireless technologies,
- d) where human behaviours/aspects are directly or indirectly targeted/exploited
- e) to (significantly) compromise security/damage systems/harm human individuals and collectives
- f) and in technical and organisational measures to prevent those events/processes

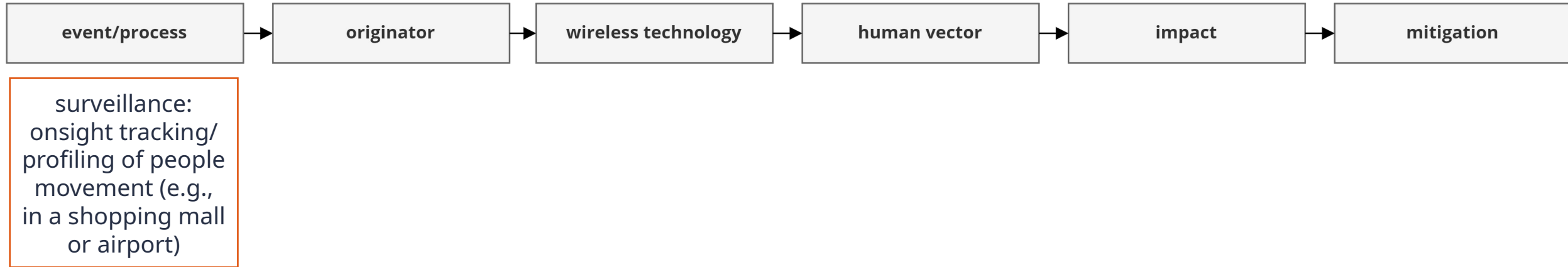
WG2 Interdisciplinary Research Heuristic



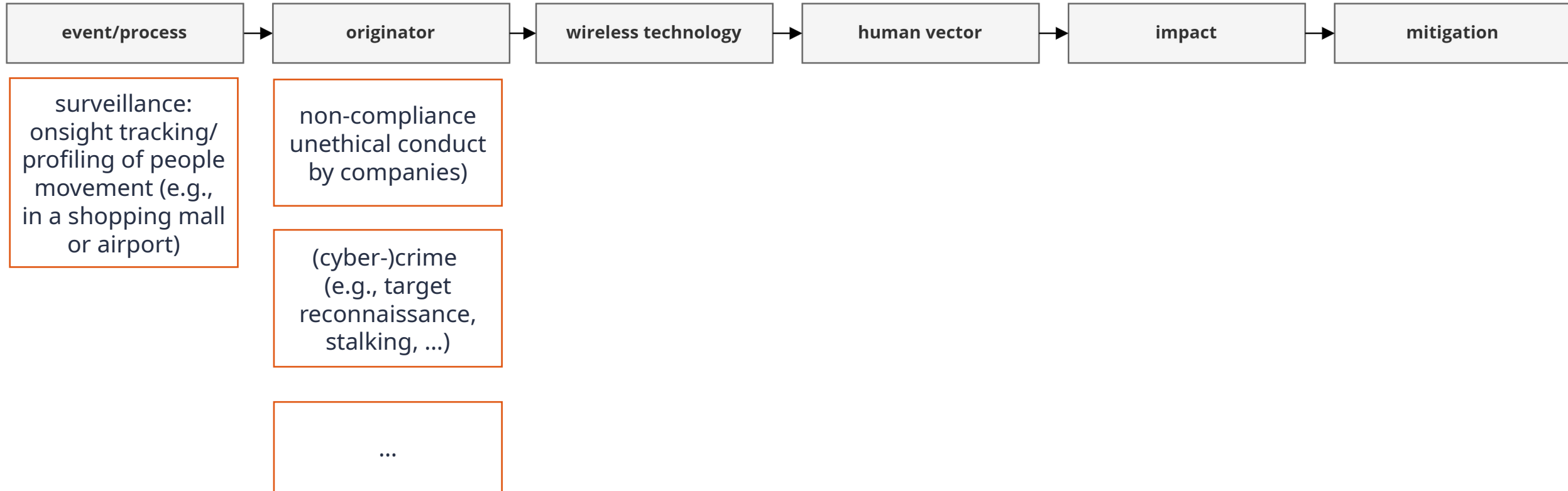
WG2 Interdisciplinary Research Heuristic: An Example



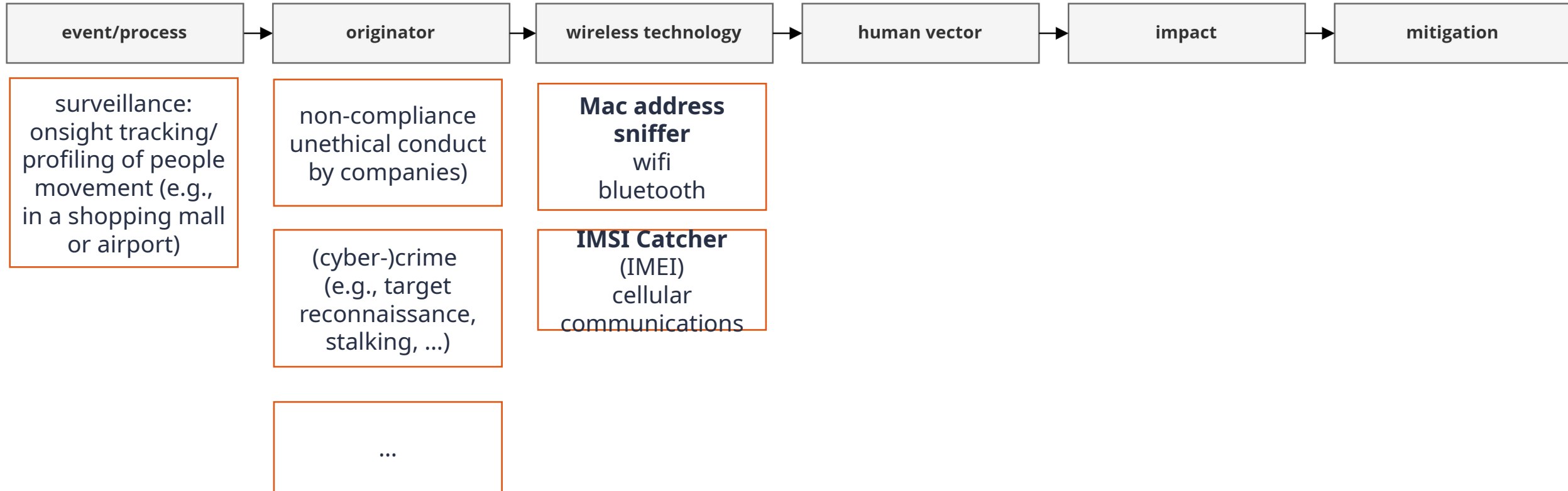
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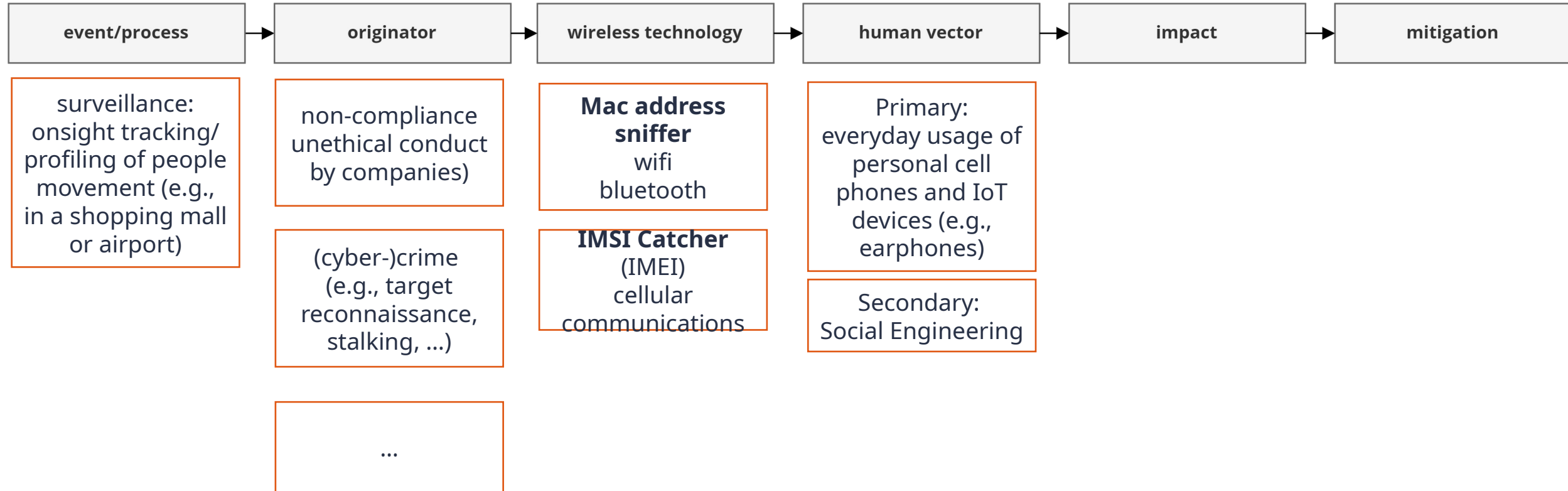
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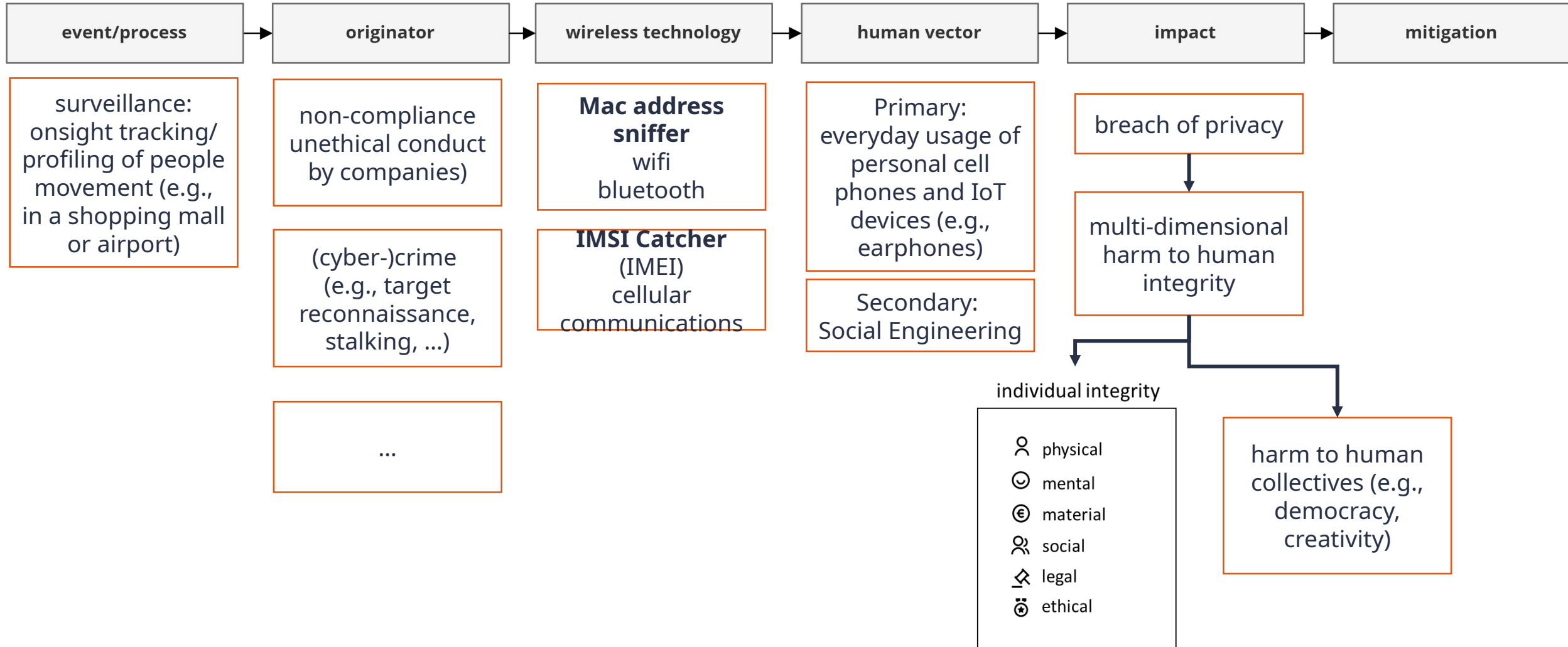
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WG2 Interdisciplinary Research Heuristic: An Example



Vielen Dank!

Kontaktinformationen

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