



## **GWT-TUD GmbH**

**Gesellschaft für Wissens- und Technologietransfer an der TU Dresden mbH**

Hrjehor MARK  
Senior project manager

[mark@gwtonline-fb.de](mailto:mark@gwtonline-fb.de)

---



## **GWT-TUD GmbH**

**Gesellschaft für Wissens- und Technologietransfer an der TU Dresden mbH**

Hrjehor MARK [rä hor]  
Senior project manager

[mark@gwtonline-fb.de](mailto:mark@gwtonline-fb.de)

---

- **Expertise, service and success made in Saxony**

- SME, founded in 1996
- Headquarter based in Dresden
- About 200 employees, €18M annual turnover
- Solution and service provider at the interfaces between research and industry

- **Innovation, research and medical support**

- Medicine, medical services including biotechnology
- Engineering know-how incl. electrical eng., information techn., computer sciences
- Special consulting services
- Co-ordination of interdisciplinary projects on several levels
- Saxon Patent Broking Agency

# Managed EU projects

- **UCAN**



01/2002 – 05/2005; 10 partners; €3.5M

- **PULSERS**



01/2004 – 12/2005; 31 partners; €7.7M

- **PULSERS Phase II**

01/2006 – 06/2008; 40 partners; €12.4M



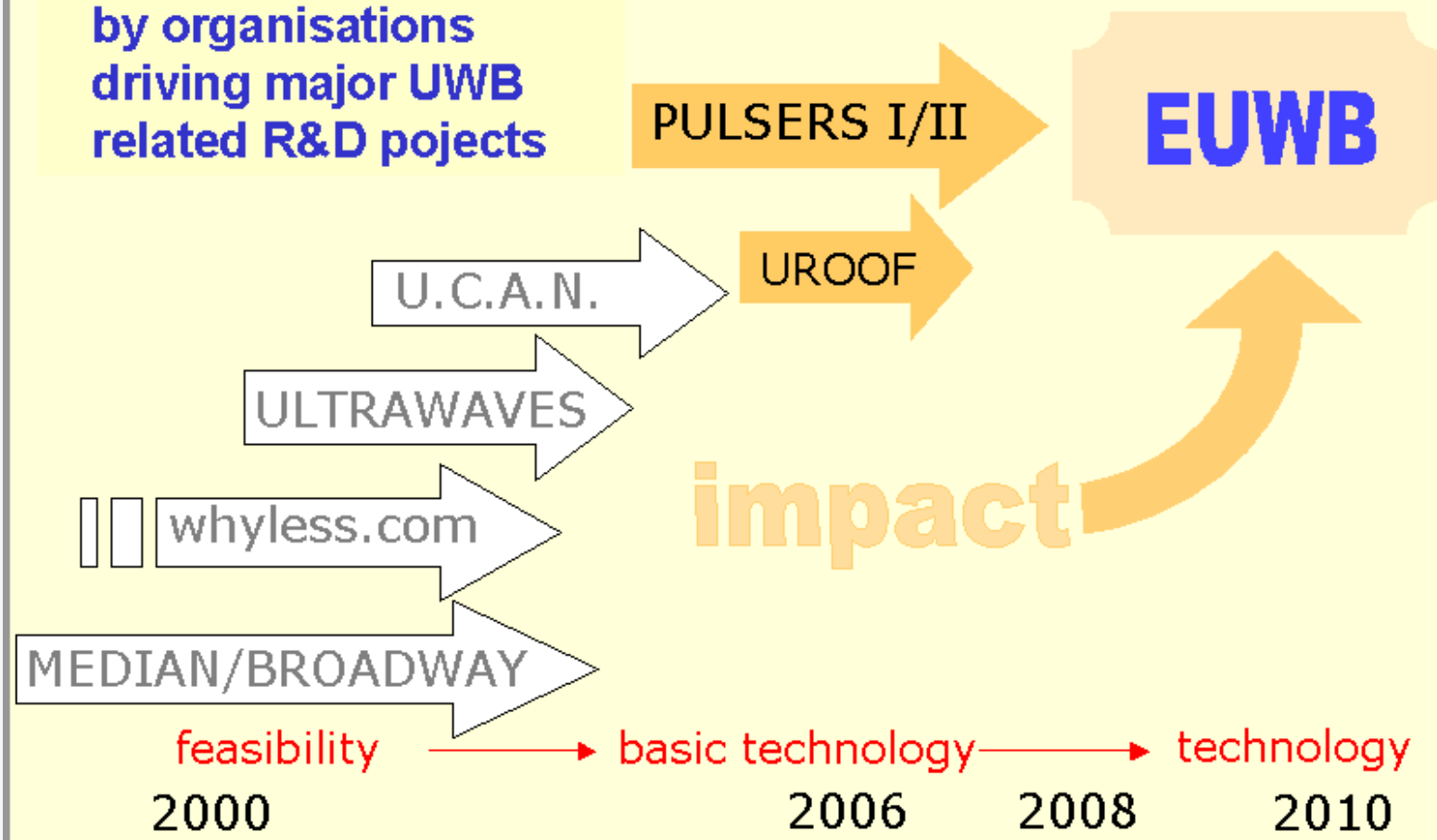
- **EUWB**



04/2008 – 03/2011; 23 partners; €13.1M

# EUWB project history

- **EUWB - team formed by organisations driving major UWB related R&D projects**



- **What is UWB?**

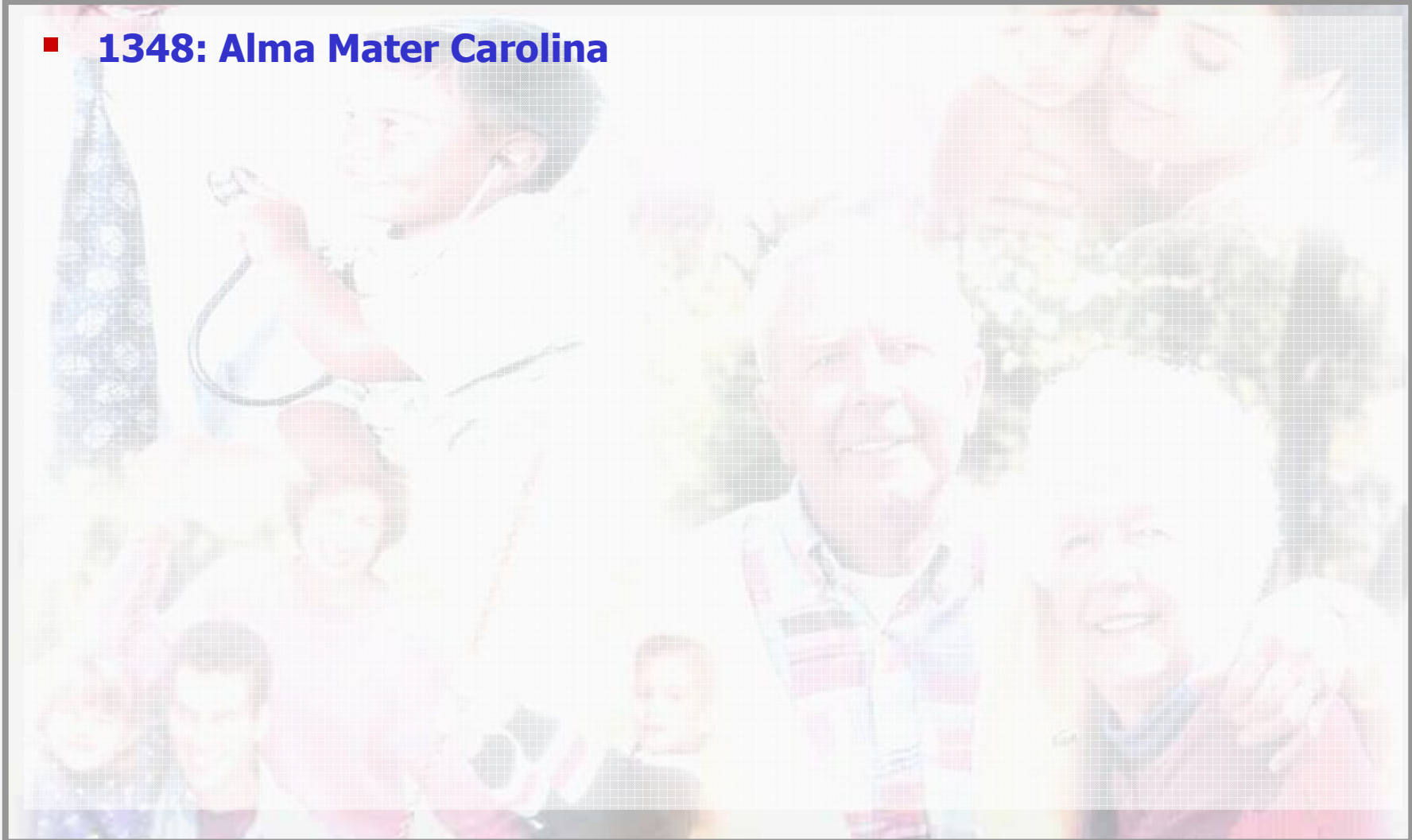
- $B > 500 \text{ MHz}$  or  $> 25\%$  of centre frequency

- **Why UWB?**

- Complementary approach to existing wireless technologies
- Works in a world-wide license-free spectrum --> common standard
- Requires less energy; enables low cost realisation
- Has a high spatial capacity
- Offers inherent robustness and scalability thus enabling different applications
- Enables new possibilities with regard to localisation and tracking

# Experiences and best practice

- **1348: Alma Mater Carolina**



# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**
- **1997: Trainee at the EC**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**
- **1997: Trainee at the EC**
- **1998: TUD**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**
- **1997: Trainee at the EC**
- **1998: TUD**
- ***09/1995–10/1999: Median***
- **01/1998–06/1998: IBUT-ONE**
- **01/1999–06/2000: IBUT**
- ***01/2001–03/2004: whyless.com***
- **01/2002–05/2005: UCAN**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**
- **1997: Trainee at the EC**
- **1998: TUD**
- ***09/1995–10/1999: Median***
- **01/1998–06/1998: IBUT-ONE**
- **01/1999–06/2000: IBUT**
- ***01/2001–03/2004: whyless.com***
- **01/2002–05/2005: UCAN**
- **01/2004: GWT**

# Experiences and best practice

- **1348: Alma Mater Carolina**
- **1988: Studies of EE**
- **1989: ...**
- **1993: INSA de Lyon**
- **1994: EU-research co-ordinator for information technologies at the Saxon State Ministry of Science and Arts**
- **1997: Trainee at the EC**
- **1998: TUD**
- **2004: GWT**
- **01/2002–05/2005: UCAN**
- **01/2004–12/2005: PULSERS**
- **01/2006–06/2008: PULSERS Phase II**
- **04/2008–03/2011: EUWB**

# Some advises

- **Go abroad**
  - **Never accept non-genuine offers**
  - **Better 2 proposals with top quality than 6 average**
  - **Start well in time: present your ideas**
  - **Establish good relationships to your NCP (Technology Centre AS CZ in Prague) and to the Czech Liaison Office for R&D in Brussels**
  - **Nominate National experts; choose the best candidates**
  - **Be open to other funding/co-operation possibilities**
  - **Don't be afraid; be self-confident**
- 
- **It's hard to survive the competition but it's worth the efforts!**

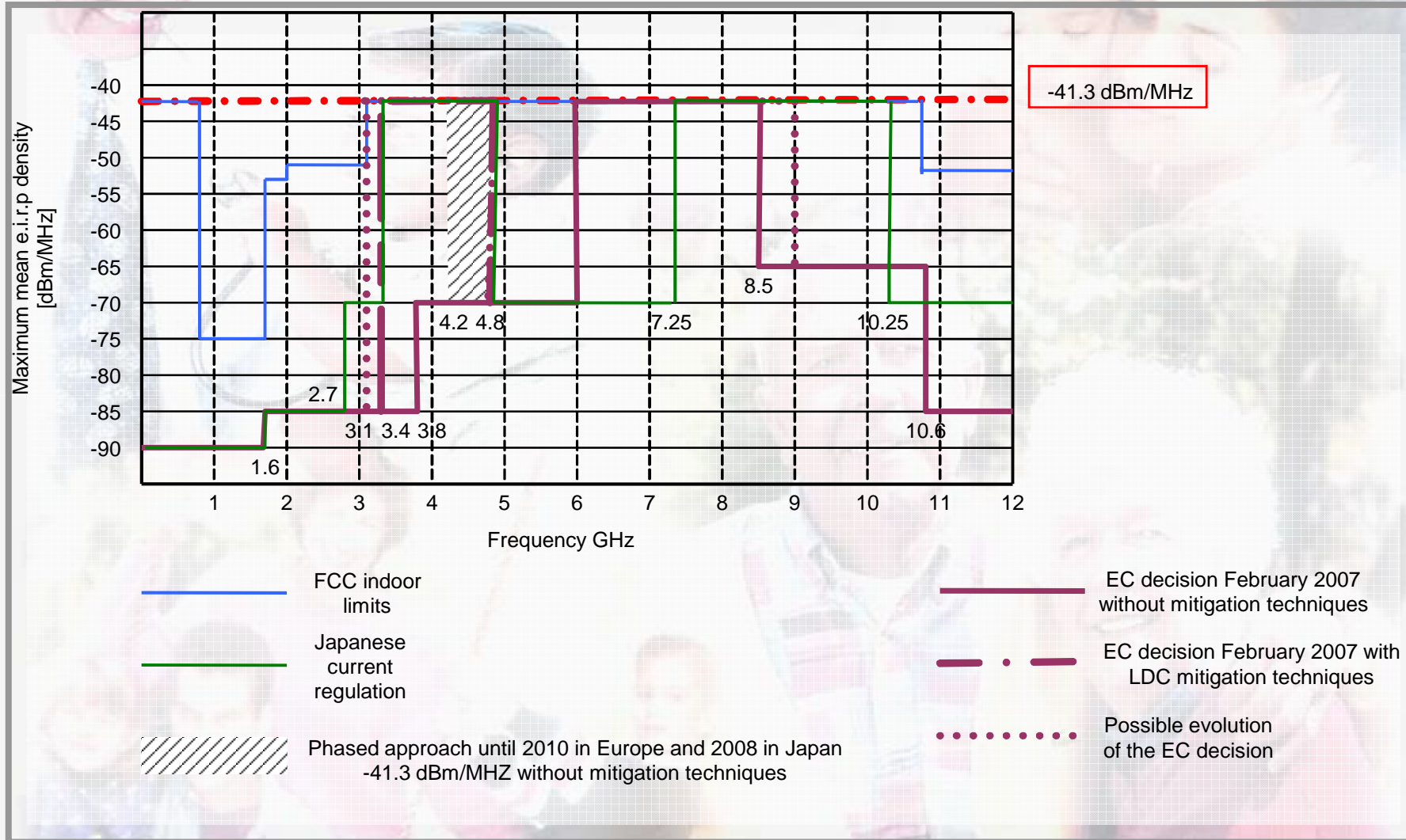


## Dankeschön!

More information is available from: [www.euwb.eu](http://www.euwb.eu)

The EUWB project (215669) is kindly supported by the European Commission, Directorate D – Converged Networks and Services – of the DG Information Society and Media.

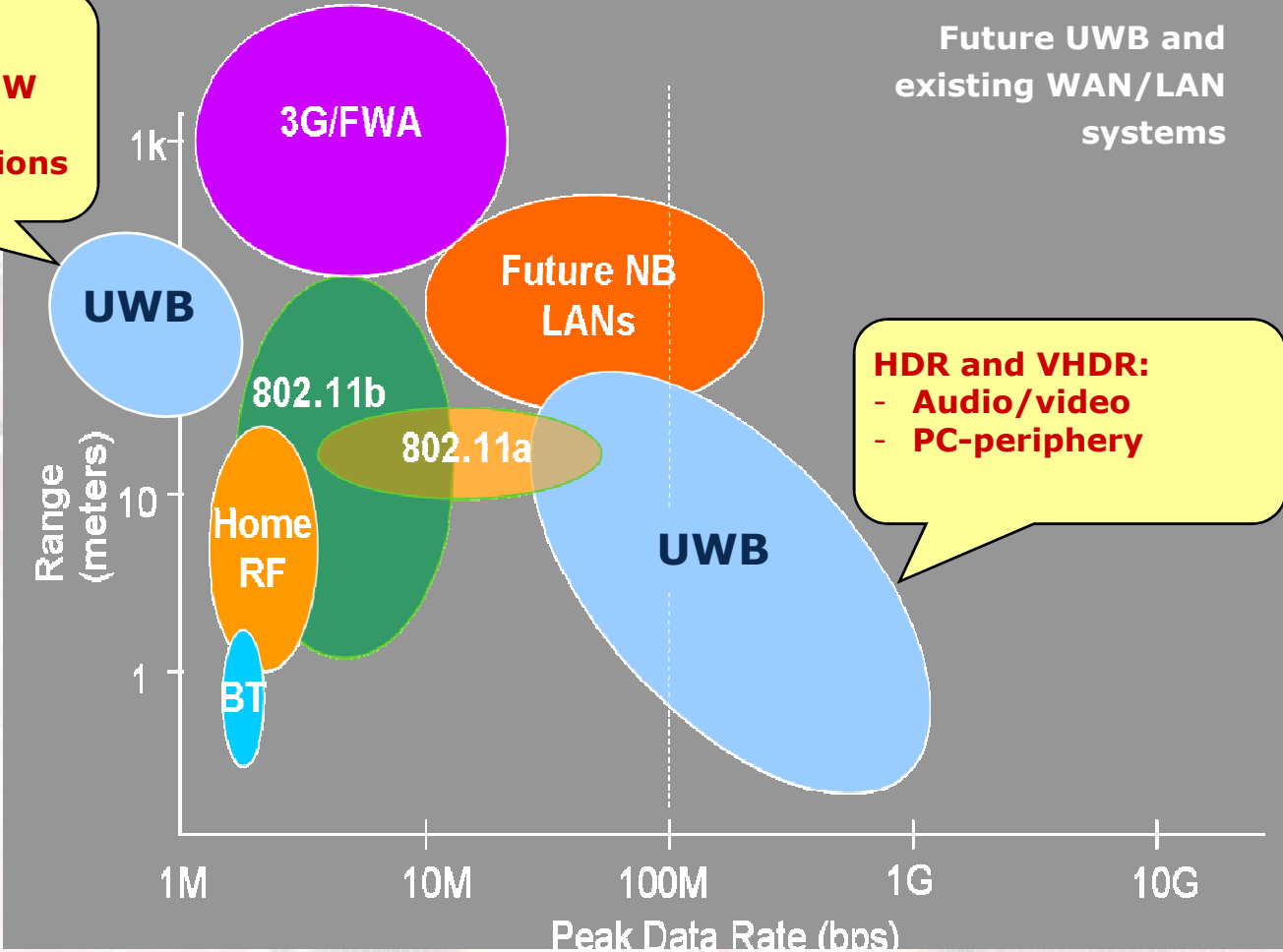
# UWB – Regulation



# UWB — Ultra-wideband

**LDR and LDR-LT:**

- Intelligent home NW
- Sensor networks
- Industrial applications



Future UWB and existing WAN/LAN systems

**HDR and VHDR:**

- Audio/video
- PC-periphery