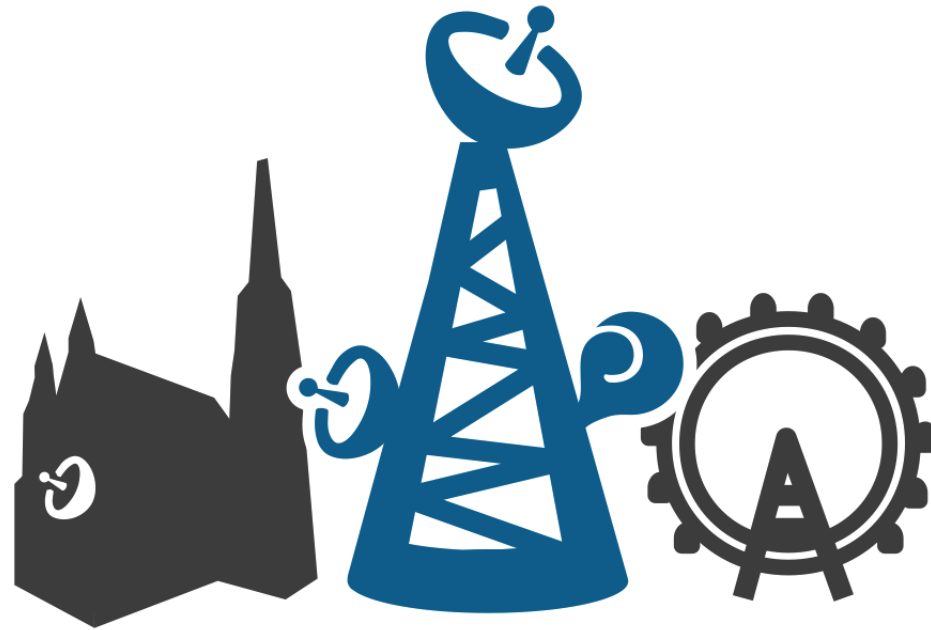


# WBMv10 – a grassroots event turning 10



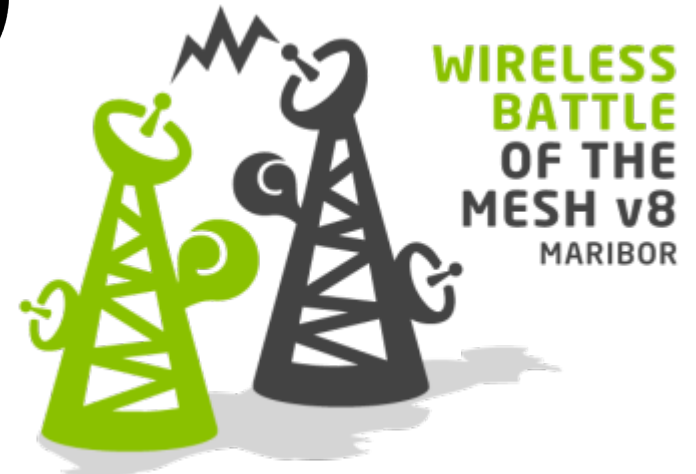
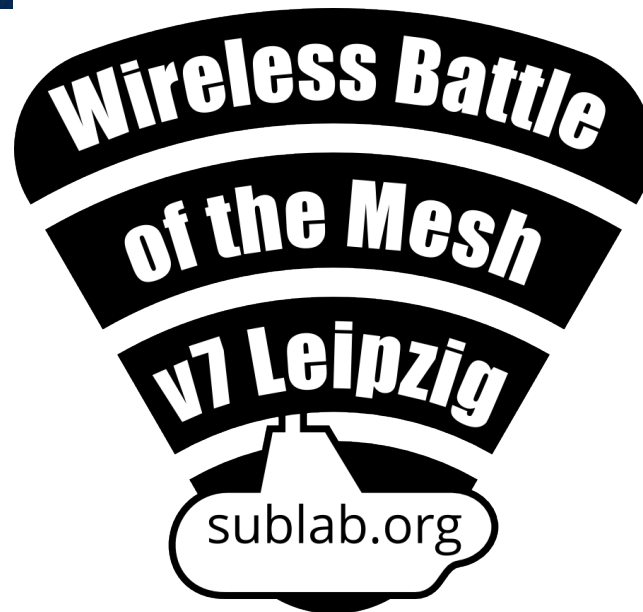
**BATTLEMESH v10**

**JUNE 05-11, 2017 VIENNA, AUSTRIA**

Marek, Simon

# Wireless Battle Mesh

## History







# First TMPLAB Wireless Battle Mesh – April 11-12th 2009 @ tmplab

BY **MASSOUD** – FEBRUARY 16, 2009

POSTED IN: **BWM2009**, **ENGLISH**, **WORKSHOPS**

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We are pleased to announce that the /tmp/lab will be organizing a Spring Wireless OpenWRT Mesh Contest called “**Wireless Battle Mesh**” during 2 days (April 11-12th) with the goal of building 3 wireless mesh networks based on embedded hardware running OpenWRT and different concurrent mesh routing protocols.

The targeted architecture will be 3 networks of 25nodes + 1 wireless management networks (10-20 nodes) to achieve realistic size of nodes number, data traffic, configuration problems. The architecture will be set-up indoor and outdoor around the building of the /tmp/lab.

**OpenWRT will be the selected for the BoardSupportPackage** running on the different hardware nodes and a core network configuration will be built on Linux servers with user-friendly features such as :

- \*VLANs
- \*Captive portal
- \*Authentication
- \*Admin portal

Concerning the mesh-protocols, selected targeted protocols are :

\***OLSR** : IP-based mesh routing platform (<http://olsr.org> and openWRT package available)

\***BATMAN** : Layer2-based mesh protocol (<http://open-mesh.org>) and available as a kernel module for Linux and packaged in OpenWRT

\***BABEL** : Layer 2 mesh protocol developed by University Paris 6, available for Linux and open to be packaged for

# Wireless Battle Mesh v1 It all started

- Started in Paris in April 2009.
- Organized by /tmp/lab hackerspace
- ~12 participants, coming from AT, BE, DE & FR



# Wireless Battle Mesh v2

Then it was  
Belgium

- Second edition at Okno-Brussels in October 2009
- Organized by HackerSpace Brussels (HSBXL)
- ~25 participants, from BE, CH, DE, FR, IT, NL & PL



# Wireless Battle Mesh v3

Then the  
Italians  
took over

- Third edition at Camping Porticciolo in Bracciano, near Roma in June 2010
- Organized by the Ninux wireless community in a camping
- ~40 participants, coming from AT, BE, DE, ES, FR & IT





# Wireless Battle Mesh v4

And next  
was Spain

- Fourth edition near Barcelona, Catalonia in March 2011
- Organized by the guifi.net wireless community
- ~60 participants, coming from AT, BE, CA, CH, DE, DK, ES, FR, IE, IL, IT, RU, SI & US



# Wireless Battle Mesh v5 ... then Greece (Athens/Sarantaporo)

## History

- Fifth edition in Athens and Sarantaporo at March 2012
- Organized by greek hackers and communities
- ~100 participants (~40 Warmup, ~70 main event), coming from AT, CA, CH, DE, DK, ES, FR, GR, IE, IL, IT, LB, MY, NL, RU, SI, SE & US

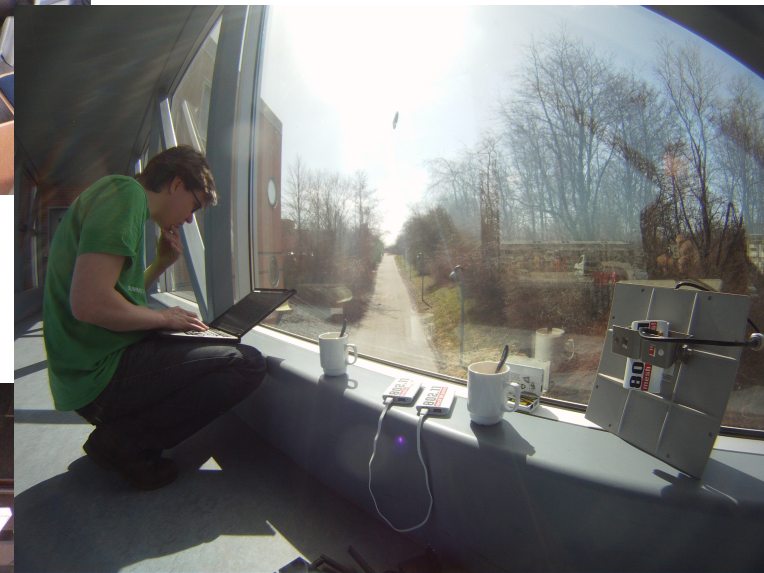


# Wireless Battle Mesh v6

We visited  
the Vikings

## History

- Sixth edition in Aalborg/Denmark in April 2013
- Organized by Aalborg University and Locals
- ~60 participants coming from AR, AT, BE, DE, DK, ES, IT, NL, PT, RU, SE & US



# Wireless Battle Meshv7

South to  
Leipzig

## History

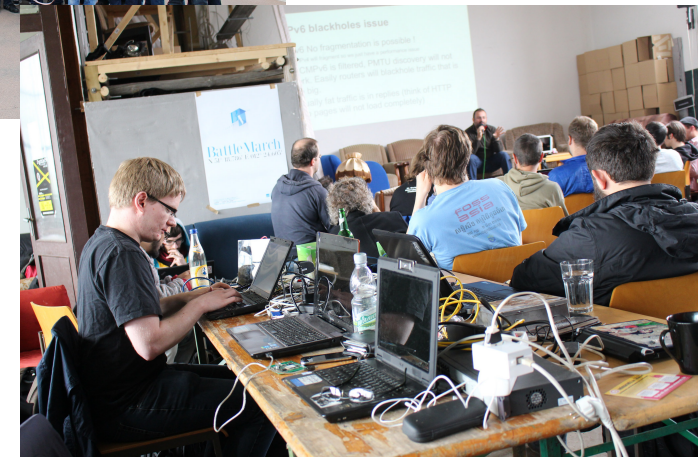
- Seventh edition in Leipzig/Germany in May 2014



- Organized by Freifunk Leipzig and communities



- ~90 participants, coming from all around the world + locals



# Wireless Battle Meshv8

Further  
south to  
Maribor,  
Slovenija

## History

- Eighth edition in August 2015 in Maribor/Slovenija
- Organized by wlan.si and local hackers of Slovenija
- ~90 participants, coming from all around the world (Europe, USA, India, ...)



# Wireless Battle Meshv9

Porto/  
Portugal!!

## History

- Ninth edition in Porto, Portugal, 2016
- Organized by INESC staff
- ~100 participants, coming from anywhere in the world



# Wireless Battle Meshv10

Vienna  
Austria!!

## Now

- 10 edition in Vienna, Austria, 2017
- Organized by FunkFeuer
- 80-100 participants, coming from anywhere in the world



# Wireless Battle Mesh

## Who we are

- Hackers
- OSS developers
- Networking gurus
- Wireless communities
- Academics
- Activists, Curious & Enthusiasts





# Wireless Battle Mesh

## What we want

- Share knowledge among participants
- Bring communities together
- Experiment with new ideas & overcome challenges
- Explore & play with new technologies
- Have fun :)

# So what do we serve you next ?



# Who will organize the battlemesh?

So far :

- Local team of 3-6 people
- Mentors with Organizers of previous years
- Organization Framework available (list of tasks, dependencies, announcement templates, etc)

Q :

- Who will organize the next battlemesh ?
- Who wants to serve as mentors?

# What do we want to do?

- It seems like it is hard to organize the tests
- Should we stick to « business as usual » ?
- Should we change the focus of the event ? (or rebrand it?)
- Some Ideas ...



Go to Community Networks and help them make  
their network **great again**

(or help bootstrapping networks)



# Wireless Nerd Travel Agency



# Workshop Oriented Event – help other people set up your software



Talk only event – multiple tracks, lots of content,  
social events around it





What should we do ?

Who organizes that?

<https://etherpad.funkfeuer.at/p/wbm-future>