

Emergency Warning with DAB+

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Flooding disaster in 2021

- Heavy flooding
- Several parts of Germany
- Mid-West was hit the hardest

- Cell phone networks were destroyed
- Warning and communication weren't possible



Broadcasting helped and can even help better in the future

- Exposed sites
 - Often additional power supply
 - 1-to-many not 1-to-1 communication (no overload)
 - Devices for receiving widely spread
 - Regional demarcation possible
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- DAB+ is growing
 - > 30% of the German households and
 - > 40% of the Bavarian households are equipped with at least one DAB+ receiver



DAB+ provides an alarm function

- ETSI Standard: Alarm Announcement
- Every program in a multiplex is interrupted
- Even other multiplexes can be linked to the alarming multiplex

- New Receivers now available

- DRD e.V. association forms a proposal to World DAB with minimum requirements for an international standard and advanced functionalities
- TOP FEATURE: wake up function (alarm in stand by mode)
- Important for the warning mix



Testbed in Bavaria

- Test alarms twice a day
 - Testing of devices and network operations
 - Automation and connection to the central warning unit
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- DEMO:
<https://www.youtube.com/watch?v=73gpyoVfzro>

