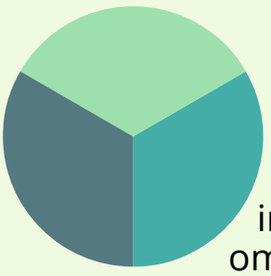
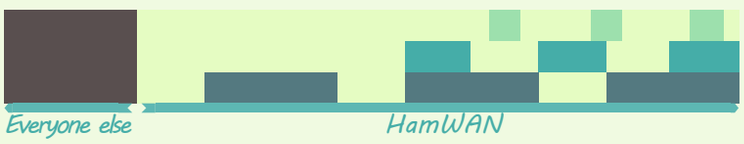
Why HamWAN

TDMA solves the hidden node problem, improves throughput, lowers latency, and increases media usage compared to traditional 802.11.



Sectorized cell sites prevent interference, triple data throughput, and increase range compared to omnidirectional sites.



Quiet spectrum away from consumer wifi offers a low noise floor, making long links possible. It's real ham radio.

Scalable deployment; just add more sites! HamWAN is viable and consistent over a broad range of densities. On the network side, OSPF is used; it's enterprise grade.

Multi Mbps
10+ mi
HamWAN is a true high-speed network, already proven by a multi-site presence in Seattle. Generally, you'll get DSL speeds or better. Links over 100 mi have been made!

Secure thanks to digital certs. Injection and tampering is prevented, and resource access is managed by identity. Bad routes and NS entries prevented, too!

Internet is connected thanks to AMPRnet address space, offering remote site access. Peering with other networks like BCWARN (CA), HamNET (DE), and Guifi (ES) is also simple. Hack-ish NAT is avoided.

Stable even during an emergency. Disaster? Internet down? Have priority emcomm traffic? HamWAN supports multi-homing and QoS to ensure high performance for those who need it, all autonomously.

More affordable than 2m!

It only takes about $200 of equipment to get connected. Instructions are provided, and a strong community of administrators and users already exists. Learn more at HamWAN.org, or reach out to us in the #HamWAN channel on the Freenode IRC network!