Poor WSN development reality

It is hard to deploy anywhere beyond 10-20 nodes today.

Coordinated methods and tools are missing today.
Why is that so?

Ad hoc has many followers but practically no realizations.
   – What do we really know about the properties?

“Simulate three times and you get three different results.”
   – quote by Charles Perkins
   – paper by Cavin, Sasson, Schiper 2002

Basic concepts of wireless systems misunderstood by many
   – a lot of hype from industry and researchers alike
   – misconception of statements (in papers) and reality
   – often the world is not just a set of two dimensional plots
   – people do not look left and right for systems knowledge
   – “I downloaded the 802.11 model for NS-2 and now I’m doing WSN’s”
   – “We have some Berkeley Motes… …and we have measured…”
Wireless is hard

Initially you are disconnected and not in sync.

That’s the same as if the power was gone, my best friend busy doing something else, not willing/able to talk to me, or not even there at all…

But you can learn a great deal about principles once you try it out.