

# Submission to DINR 2024

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## Talk 2

*Title: Recursive to Authoritative encryption - where are we?*

*Speaker: Sara Dickinson, Sinodun IT*

*Talk length: 10 mins*

This talk will focus on the work to date relating to encryption of DNS between recursive and authoritative resolvers. Key issues include:

- \* Motivations for and impact of encryption on this path (including on Root operators and TLDs)
- \* A fundamental technical issue - why is the definition of 'strict' encryption for this path stalled?
- \* Better than nothing? How opportunistic unilateral probing emerged and is it useful today?
- \* Will there be a convergence to a single encryption protocol for this path?
- \* Is DELEG the way forward to secure 'strict' encryption?