



3



A major challenge is identifying signals versus noise. Central Banks do not want to repeatedly be accused of 'crying wolf'.

- The signalling analysis approach chosen requires a trade-off between Type 1 errors (missing a distress event) and a type II error (falsely predicting a distress)
- Slide 14 notes that "it would be justified for policy makers to have a preference for avoiding missed cases (high theta)"
- □ This could have consequences for the credibility of policy makers.
- On the other hand if the policy maker is biased towards minimizing Type II errors at the expense of tolerating Type I errors i.e. failing to issue warnings for the eventual stress event then it could be accused of not doing its job.
 - > Thoughts on the trade-off between Type I and Type II errors?



Banc Ceannais na hÉireann Central Bank of Ireland Eurosystem Modelling Considerations:

- □ Identifying key shareholder reporting dates (interim or annual reporting dates) for special attention.
- □ The frequency of the signals produced. Often policy makers prefer to react to trends rather than reacting to individual signals immediately.
- □ Scope of data use (all or filtered).
- □ Using market data sources, external credit ratings to identify distress events.
- □ Scope for backtesting of results?
- □ Combining Target 2 EWIs with other EWIs.
- Sensitivity analysis for choice of theta
- Other?
- > We look forward to the 'Tool' being put into practice.

5