

Integrated P_E Tool ($IP_E T$)

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Brief background of risk equation

System Effectiveness

$$R = P_A * (1 - P_E) * C$$

Probability of Attack

Consequences

For specific time frame

Conditional Risk

System Effectiveness

$$R_c = 1 - P_E$$

$$P_E = P_I * P_N$$

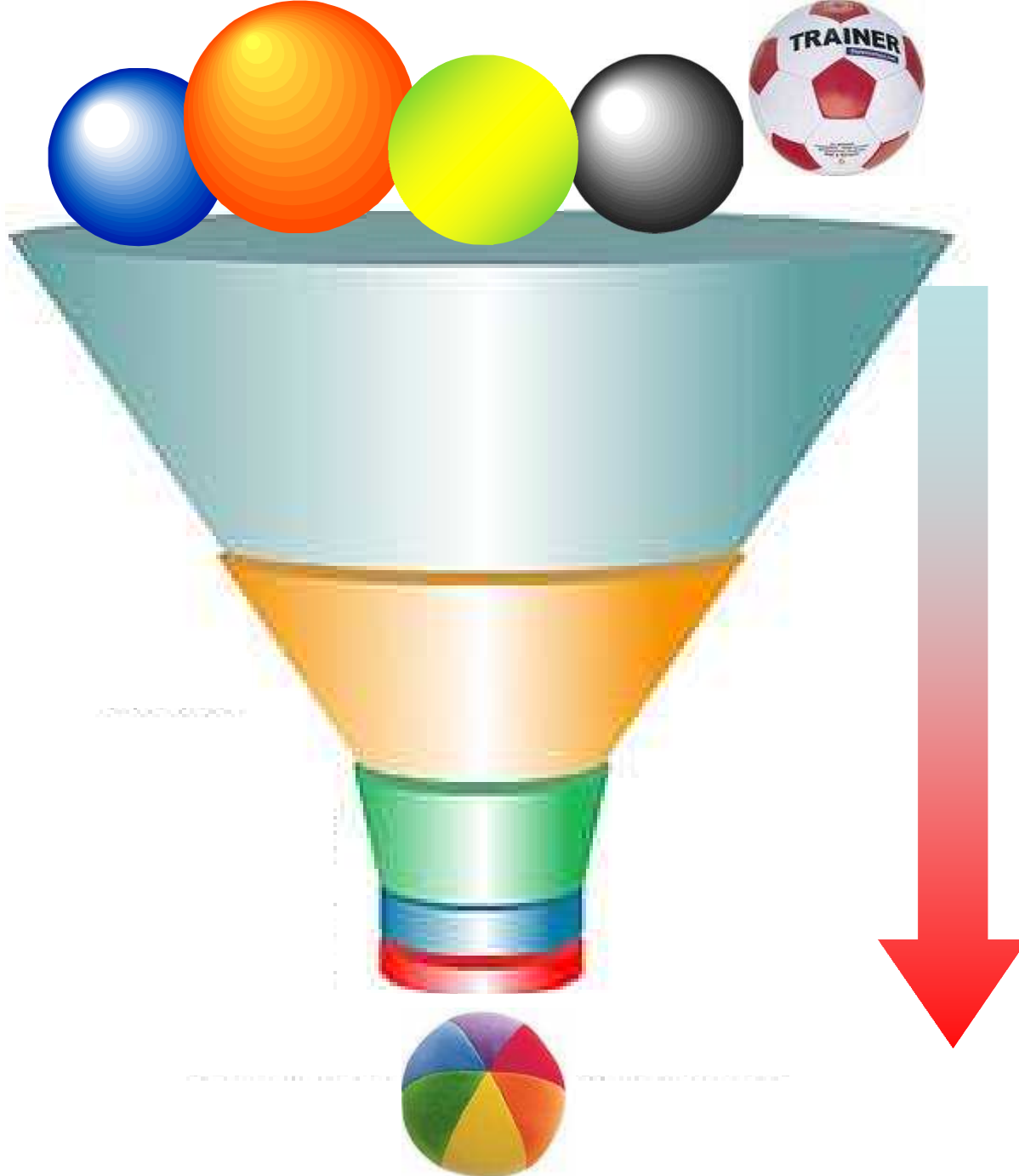
Probability of Interruption

Probability of Neutralization

Vulnerability Analysis

- ASSESS/ATLAS used for P_I
- JCATS used to help determine P_N
- Most vulnerable paths should minimize P_E
- Historically, we minimize P_I

SCENARIO FUNNEL



ATLAS/ASSESS

AVERT



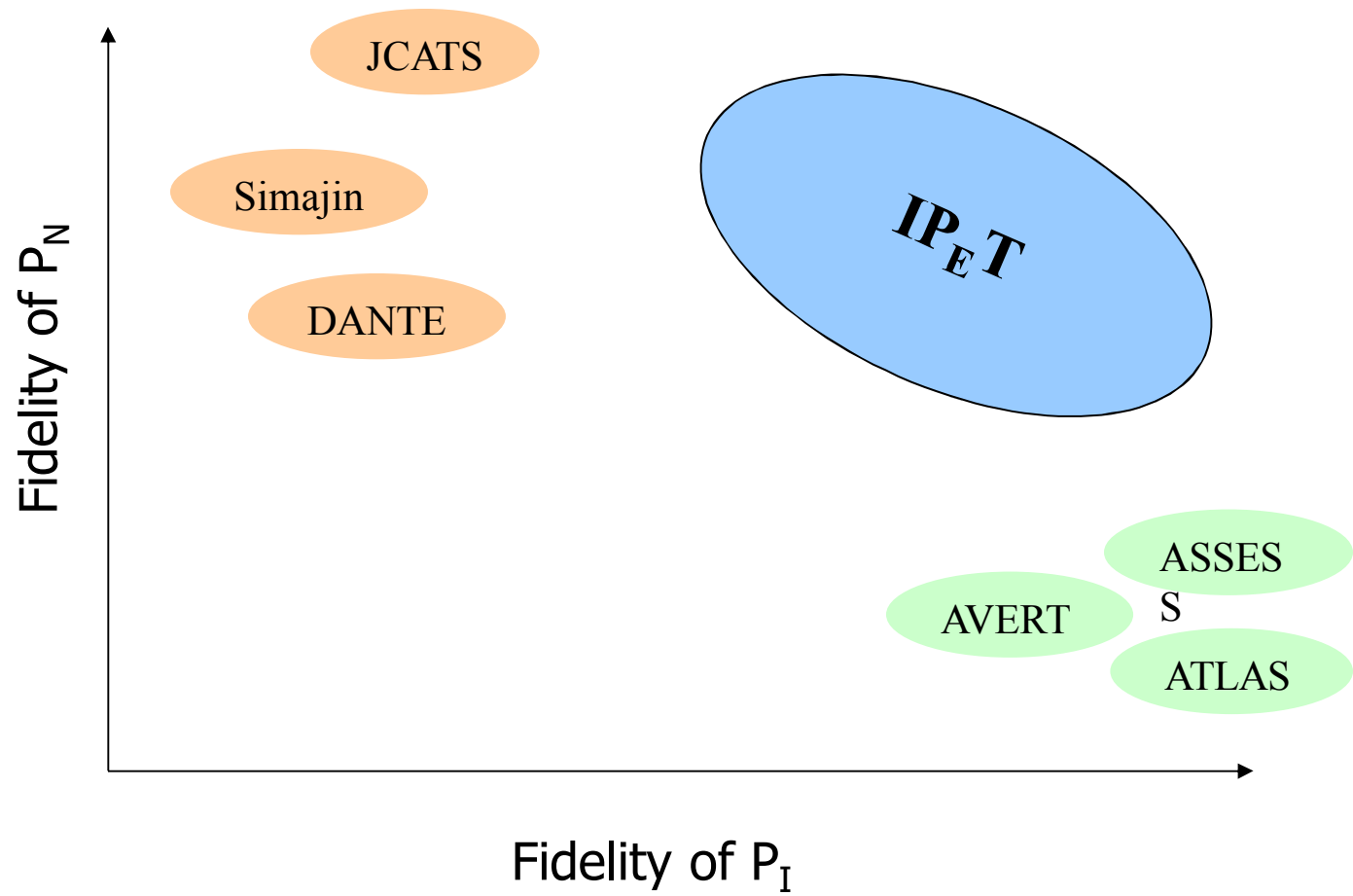
JCATS

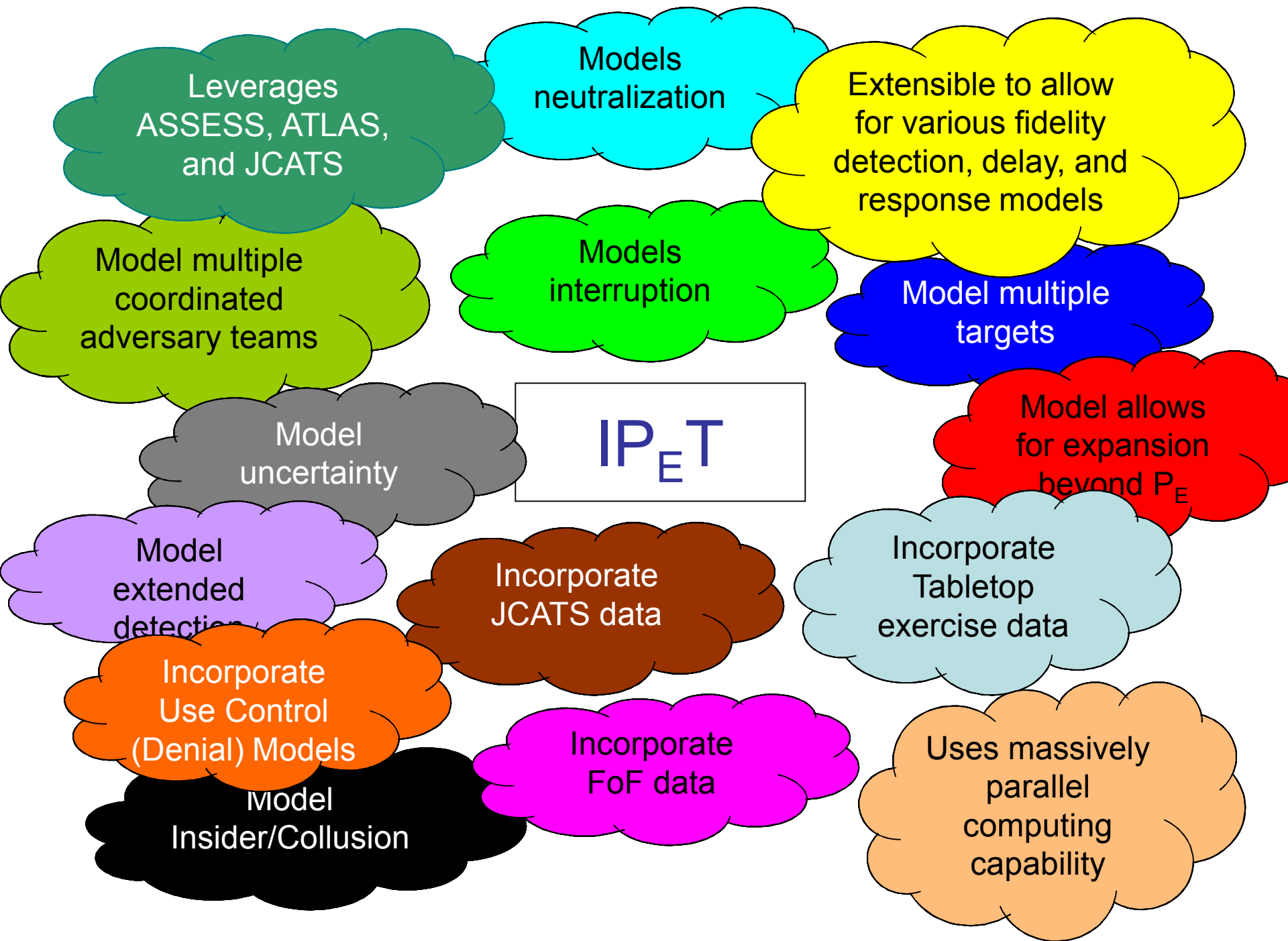
DANTE/SIMAJIN

Tabletops/FoF

Vision of $IP_E T$

- How does VPEDS (or your favorite technology) help the overall physical security system?
- Given \$3M, what investments should we make to use these resources optimally in improving the overall physical security system?
- Should we invest in technology (one time fixed cost + maintenance) or man power (recurring cost)?





IP_ET Demo