PROCESS ORIENTED ANALYSIS

POA

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Automatización de procesos de manufactura, 2023-1

PROCESS-ORIENTED ANALYSIS

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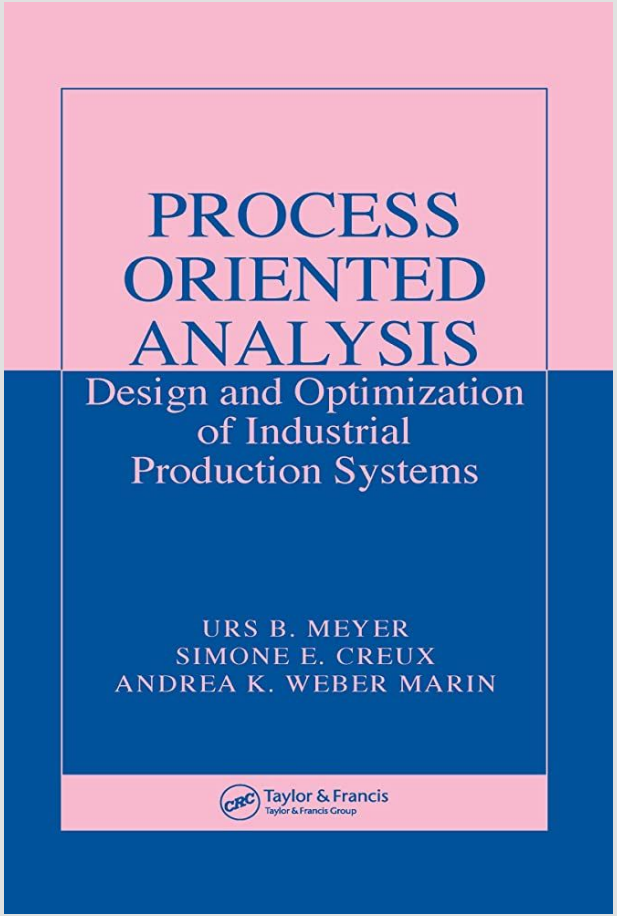
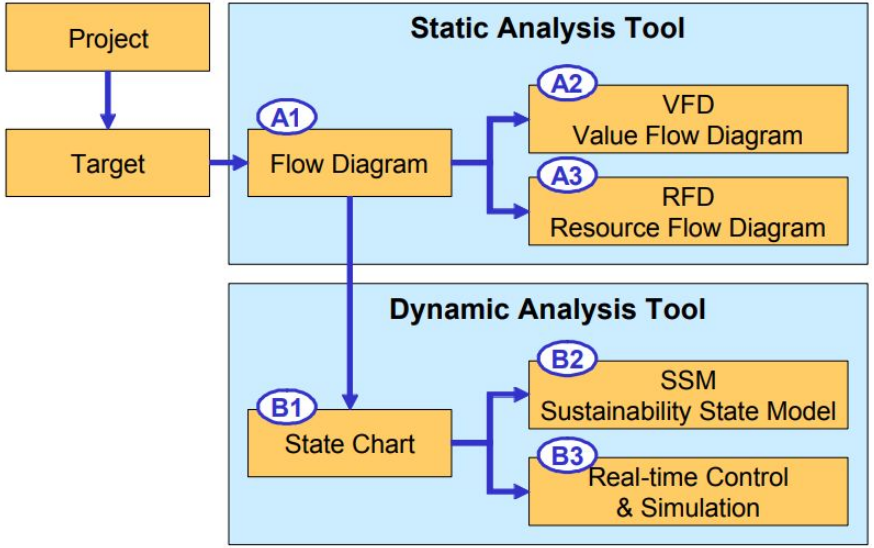
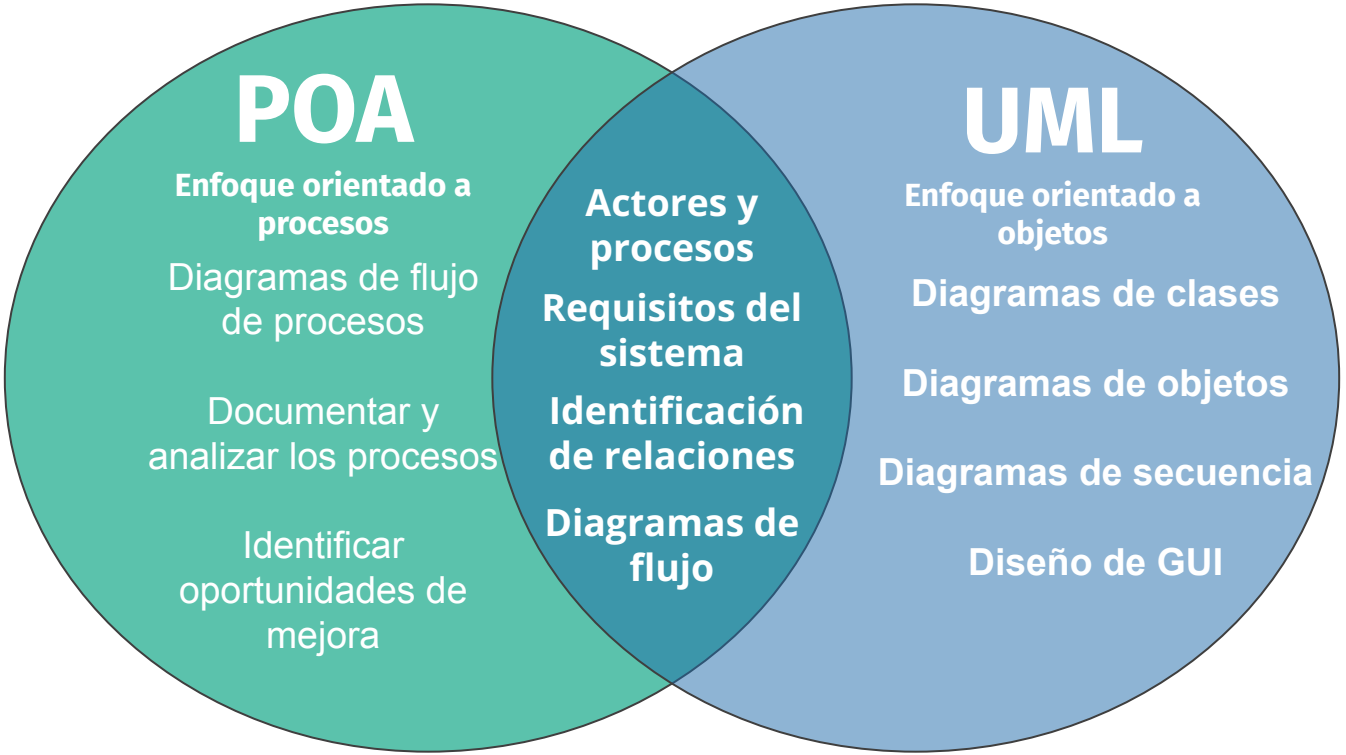


PROCESS-ORIENTED ANALYSIS

1. **Diagramas estáticos:**
   - Diagrama de flujo de valor
   - Diagrama de flujo de recursos
2. **Diagramas dinámicos:**
   - Diagrama de estado
   - Diagrama de sostenibilidad
3. **Análisis económicos y energéticos**



Comparación POA vs UML

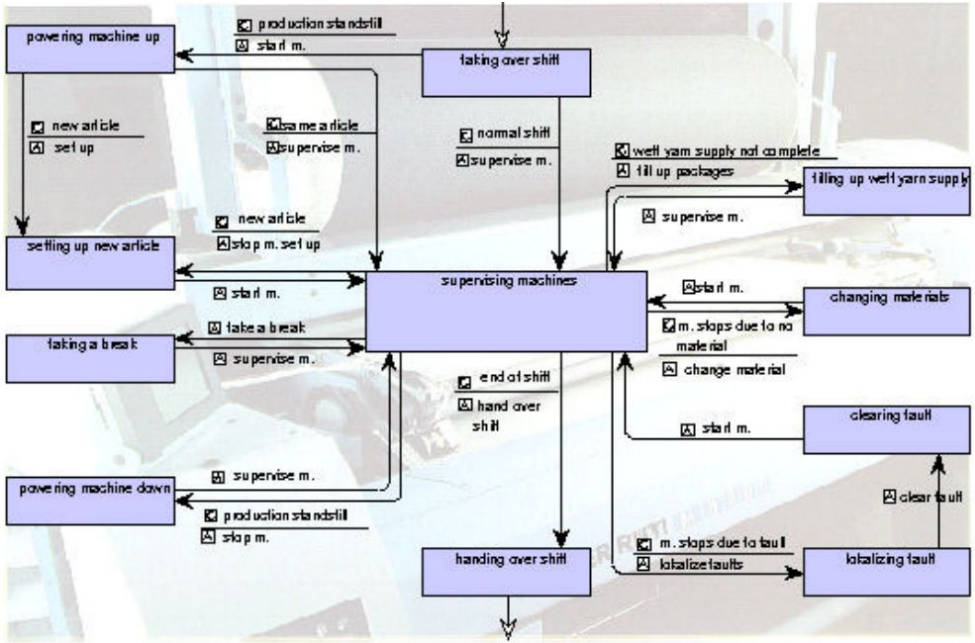


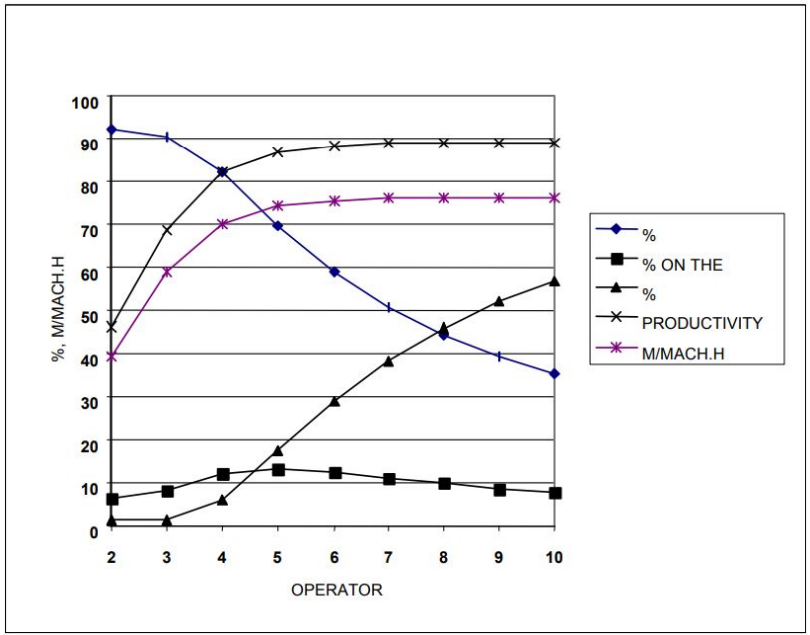
Caso de estudio: Simulation of future high performance weaving

Simulación de rendimiento de tejeduría

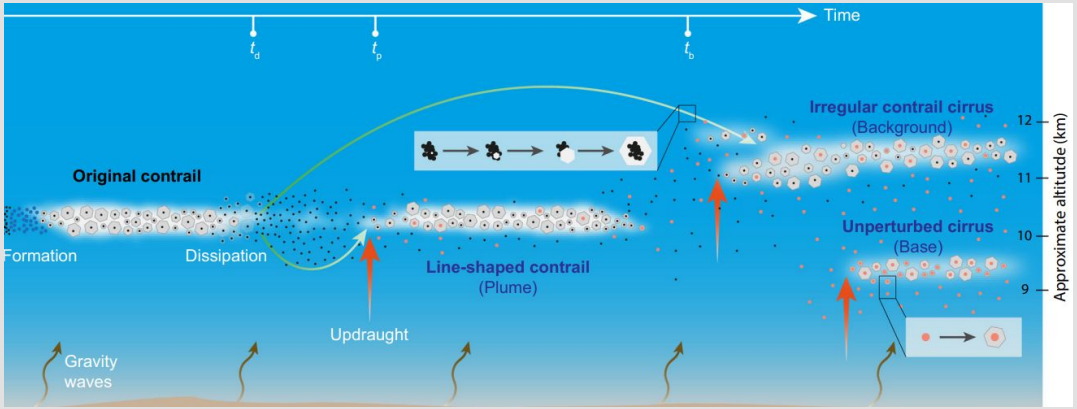
- Simular la interacción del personal necesaria con una nueva máquina (M8300).
- Diagrama de estados del proceso.
- Calcular el uso óptimo del nuevo telar en la fábrica

Caso de estudio: Simulation of future high performance weaving





Process-oriented analysis of aircraft soot-cirrus interactions constrains the climate impact of aviation



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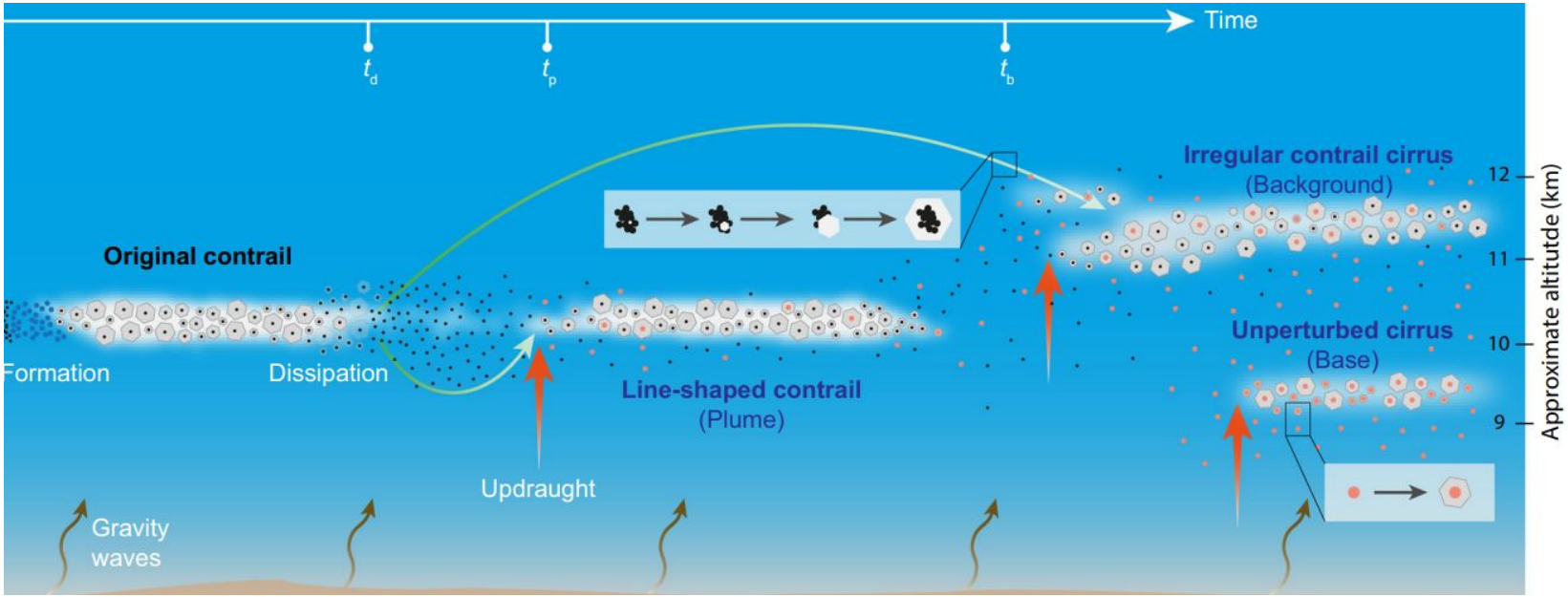

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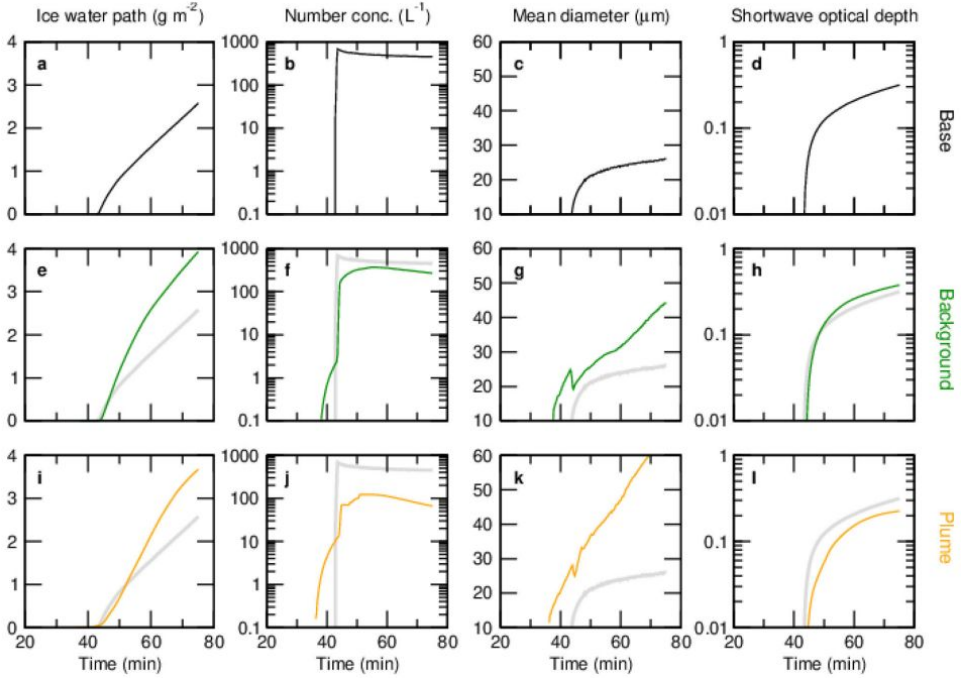
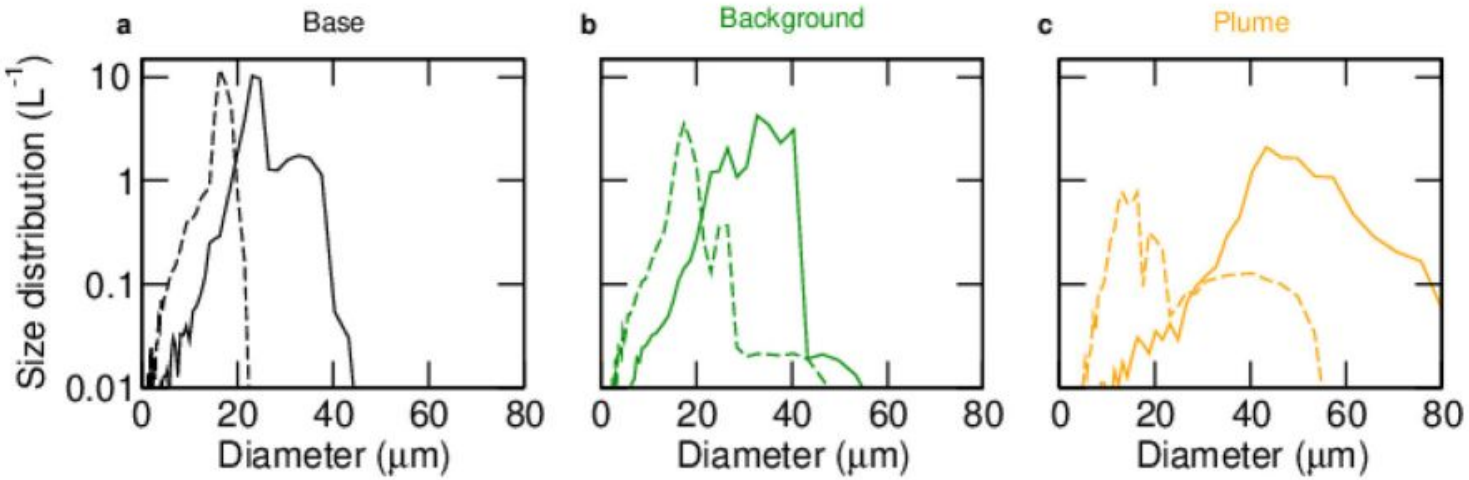


Process-oriented analysis of aircraft soot-cirrus interactions constrains the climate impact of aviation



Muchas gracias

Referencias

[1] Marin, A. W., Creux, S., & Meyer, U. (2003). Process-oriented analysis. AUTEX Research Journal, 3(4), 77-81. Retrieved from http://www.autexrj.org/No4-2003/0077.pdf

[2] B. Kärcher, F. Mahrt, and C. Marcolli, "Process-oriented analysis of aircraft soot-cirrus interactions constrains the climate impact of aviation," Nature Communications, vol. 9, no. 1, pp. 1-10, 2018. [Online]. Available: https://doi.org/10.1038/s41467-018-06034-y.