Hi Tony,

1.If I need to design a prototype, I need the actual PCS requirements documentation. I have not developed a PCS system, so I don't know what features are needed in this system. And, in this study, I think this also requires reference to say why we use these functions.

**I have attached papers for this questions. Also… check the work done by** [**https://ipcsa.international/**](https://ipcsa.international/)

2. I may need a traditional PCS for reference. But I found it difficult to find a paper describing PCS.

**There is this paper you can download off the web that I wrote:  “Requirements Analysis of Information Integration of Small and Medium Size Ports with Port Communities using Web Portals: A Swedish Port Perspective”**

3. Regarding the user role, I read your " *Agent-based simulation of stakeholders relations\_An approach to sustainable port terminal management*" paper, I hope to use five roles for my simulation system design: Shipping company, Port, Inland transportation company, Customer, Bank. I would like to ask if the five roles for a simulation system are sufficient?

**I have attached and suggest you look to NETLOGO® and/or. AnyLogic® as tools to use the last one has a Chinese version that is available on the web for free?**

Lets catch up on Monday at 15.00 ok?

/

Lawrence