



Home > Journal > Business & Economics | Computer Science & Communications > IIM

[Indexing](#) [View Papers](#) [Aims & Scope](#) [Editorial Board](#) [Guideline](#) [Article Processing Charges](#)

IIM> Vol.4 No.5A, October 2012

OPEN ACCESS

Supply Chain for Regional Centralized Purchasing: An Application Model

PDF (Size: 567KB) PP. 269-276 DOI: 10.4236/iim.2012.425038

Author(s)

Alessandro Pepino, Marcella Rovani, Adriano Torri, Mario Sansone

ABSTRACT

In Europe Health Organizations are progressively modifying their management models to rationalize expenditure in order to assure better levels of effectiveness and efficiency: many countries are going to centralize the management of goods and services supply. In this paper a specific model of centralized purchasing is proposed; it is particularly suitable in cases of severe economy suffering at regional level (e.g. Campania, Lazio, Calabria in Italy) or at national level (e.g. Greece, Ireland, Italy), that means in all those cases where the scale economies, obtainable by supply centralization, would be partly or totally compromised by the extra charges induced by the missing of contractual commitments. This work aims either to analyse such specific approach for centralized purchasing or to propose a simulation model based on Petri net, which could be useful for designing and managing similar case studies.

KEYWORDS

Centralized Purchasing; Workflow Management; Health Information Systems

Cite this paper

A. Pepino, M. Rovani, A. Torri and M. Sansone, "Supply Chain for Regional Centralized Purchasing: An Application Model," *Intelligent Information Management*, Vol. 4 No. 5A, 2012, pp. 269-276. doi: 10.4236/iim.2012.425038.

References

- [1] B. Abel-Smith and E. Mossialos, "Cost Containment and Health Care Reform: A Study of the European Union," *Health Policy*, Vol. 28, No. 2, 1994, pp. 89-132. doi:10.1016/0168-8510(94)90030-2
- [2] M. Amatucci and S. Mele, "Centralized Purchasing in Healthcare: A Comparison between National and International Experiences," 15th Annual Conference AIES of the future Healthcare: Institutions, Efficiency and Equity, Moncalieri, 30 September-1 October 2010.
- [3] B. Tony, "Developing New Forms of Partnership With the 'Market' in the Procurement of Public Services," *Public Administration*, Vol. 84, No. 1, 2006, pp. 81-102. doi:10.1111/j.0033-3298.2006.00494.x
- [4] E. Bakker, H. Walker, F. Schotanus and C. Harland, "Choosing an Organizational Form: The Case of Collaborative Procurement Initiatives," *International Journal of Procurement Management*, Vol. 1, No. 3, 2008, pp. 297-317. doi:10.1504/IJPM.2008.017527
- [5] T. P. Lyon, "J. J. Laffont and J. Tirole, A theory of incentives in regulation and procurement," *Information Economics and Policy*, Vol. 6, No. 1, 1994, pp. 89-93. doi:10.1016/0167-6245(94)90038-8
- [6] W. van der Aalst and K. van van Hee, "Workflow Management: Models, Methods, and Systems," MIT Press, Cambridge, 2004.
- [7] C. J. Austin, J. M. Trimm and P. M. Sobczak, "Information Systems and Strategic Management," *Health Care Management Review*, Vol. 20, No. 3, 1995, pp. 26-33.

• [Open Special Issues](#)

• [Published Special Issues](#)

• [Special Issues Guideline](#)

[IIM Subscription](#)

[Most popular papers in IIM](#)

[About IIM News](#)

[Frequently Asked Questions](#)

[Recommend to Peers](#)

[Recommend to Library](#)

[Contact Us](#)

Downloads: 149,488

Visits: 372,975

Sponsors, Associates, and Links >>

- [8] B. Forouzan, ed., "TCP/IP Protocol Suite," McGraw-Hill, New York, 2002.
- [9] D. Parker, "Understanding the FTP Protocol," 2005.
http://www.windowsnetworking.com/articles_tutorials/understanding-ftp-protocol.html?printversion
- [10] F. Curbera, M. Duftler, R. Khalaf, W. Nagy, N. Mukhi and S. Weerawarana, "Unraveling the Web Services Web: An Introduction to SOAP, WSDL, and UDDI," IEEE Internet Computing, Vol. 6, No. 2, 2002, pp. 86-93. doi:10.1109/4236.991449
- [11] W. M. P. van der Aalst, "The Application of Petri Nets to Workflow Management," Journal of Circuits Systems and Computers, Vol. 8, No. 1, 1998, pp. 21-66.
- [12] T. Freytag and S. I. Landes, "PWFtool—A Petri Net Workflow Modelling Environment," 11th Workshop on Algorithms and Tools for Petri Nets (AWPN), Eichstätt, 30 September-1 October 2004.