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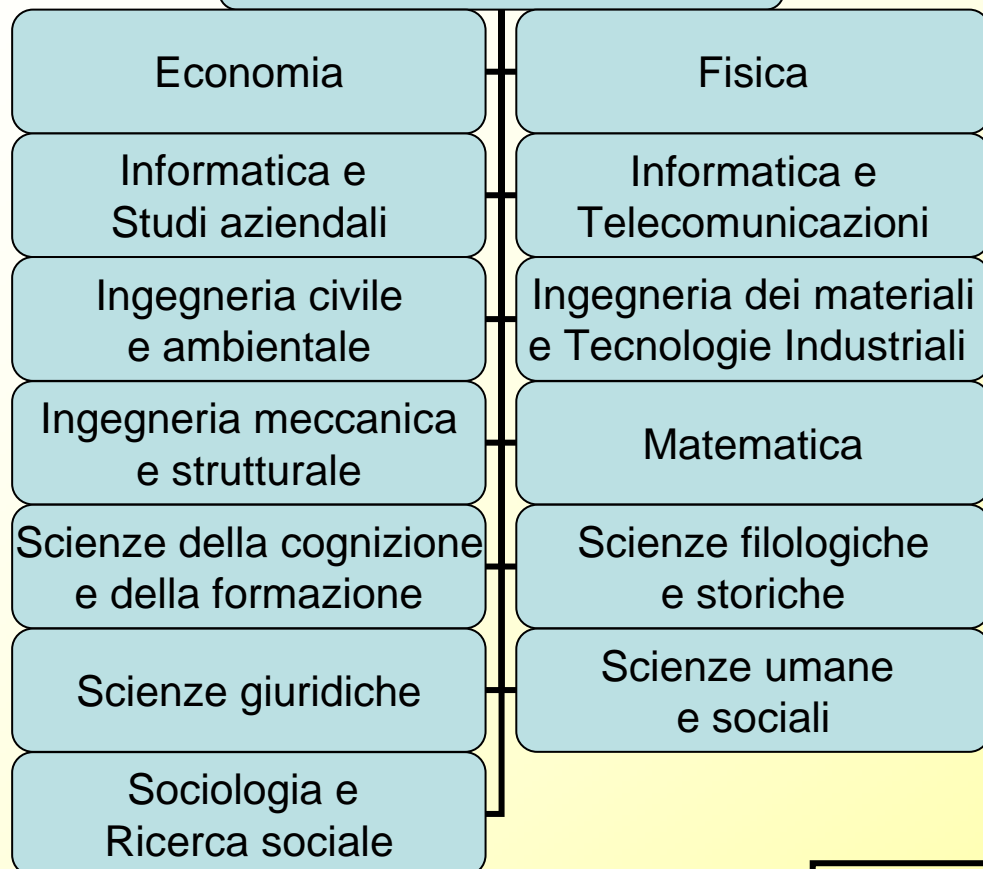
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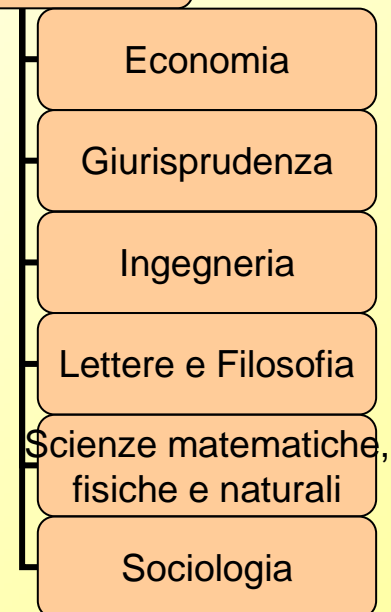
Paolo Bellini, Francesca Valentini

Università di Trento

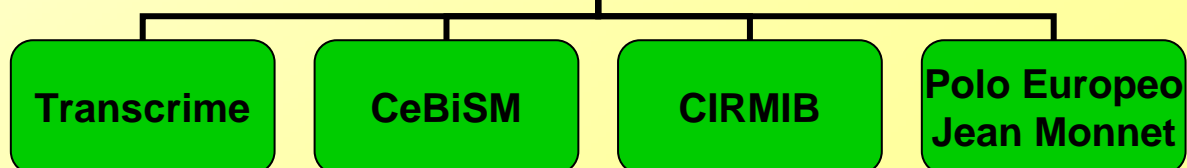
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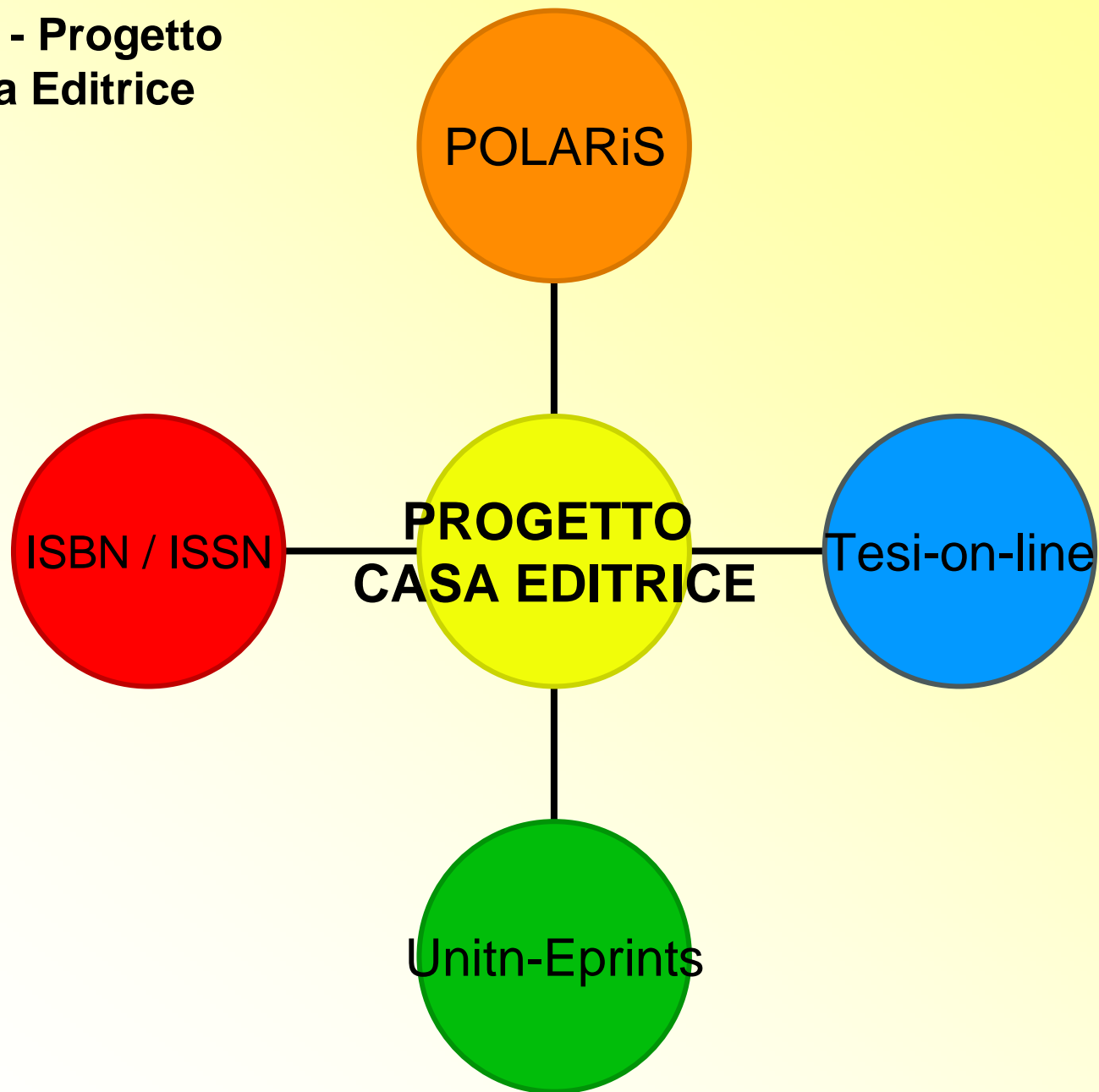
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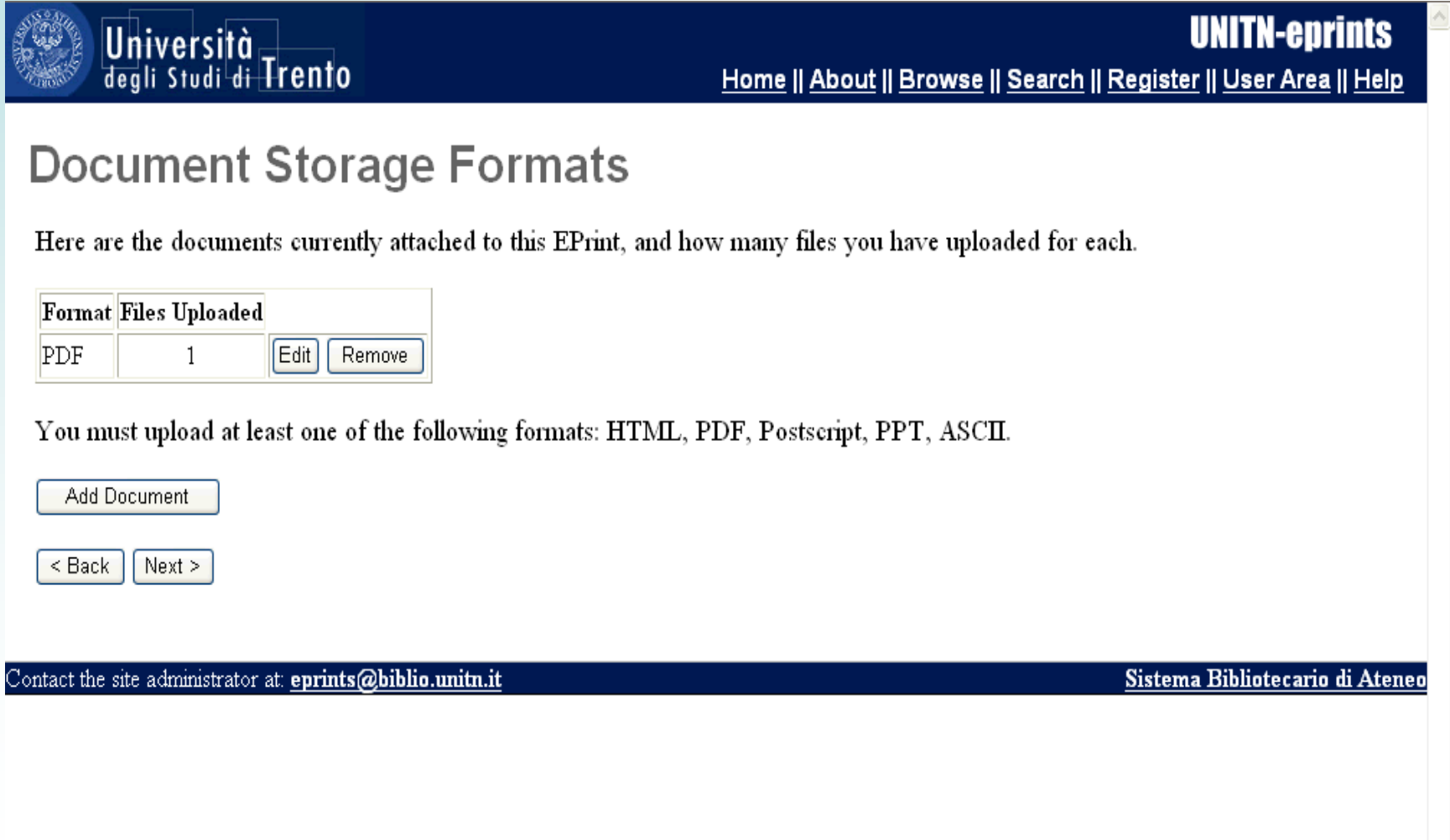
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[Boato, Giulia](#) and [Granelli, Fabrizio](#) (2003) MORA: a movement-based routing algorithm for ad hoc networks. Technical Report DIT-04-001, Informatica e Telecomunicazioni, University of Trento.

Full text available as:

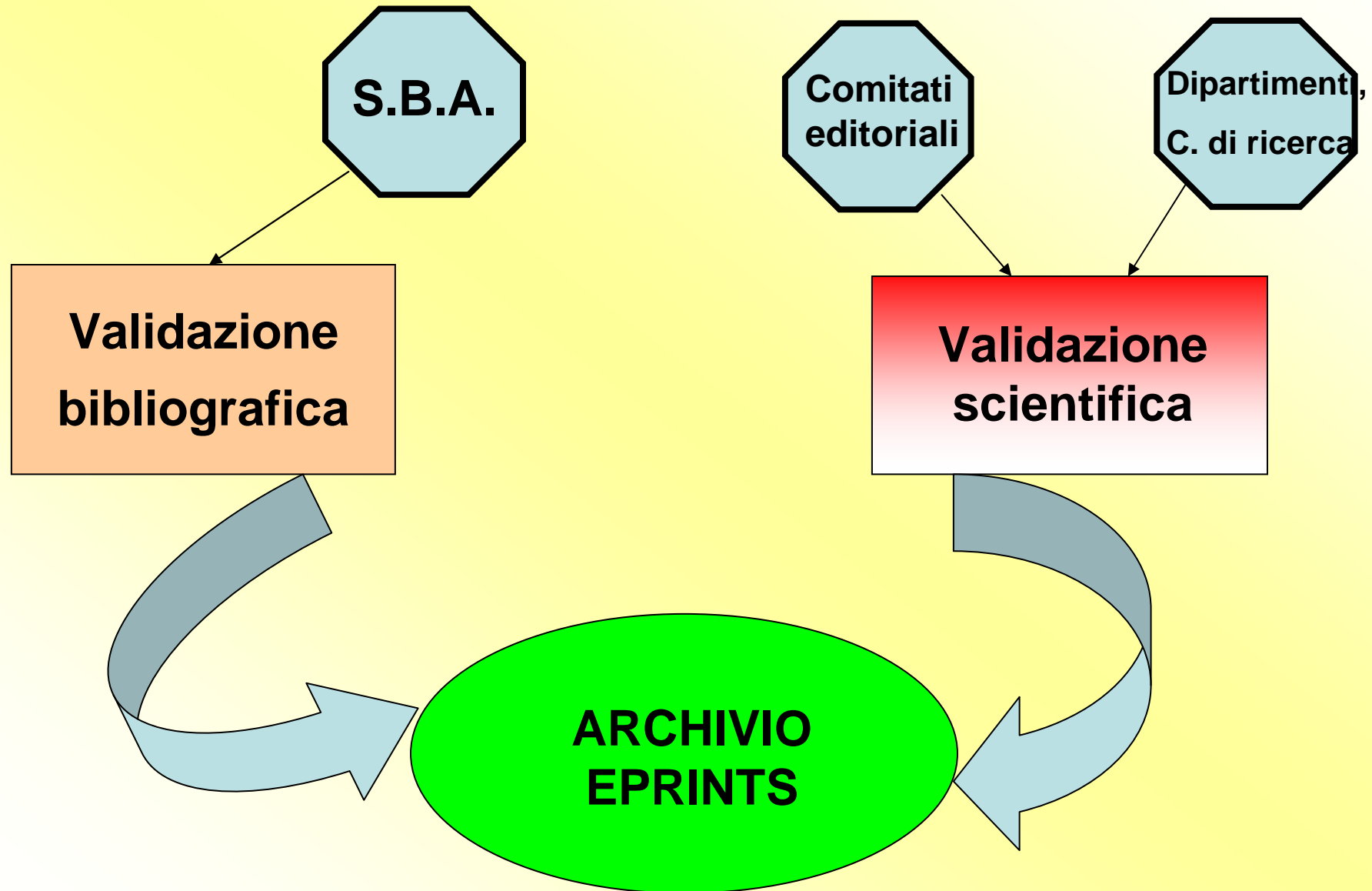
[PDF](#) - Requires [Adobe Acrobat Reader](#) or other PDF viewer.

Abstract

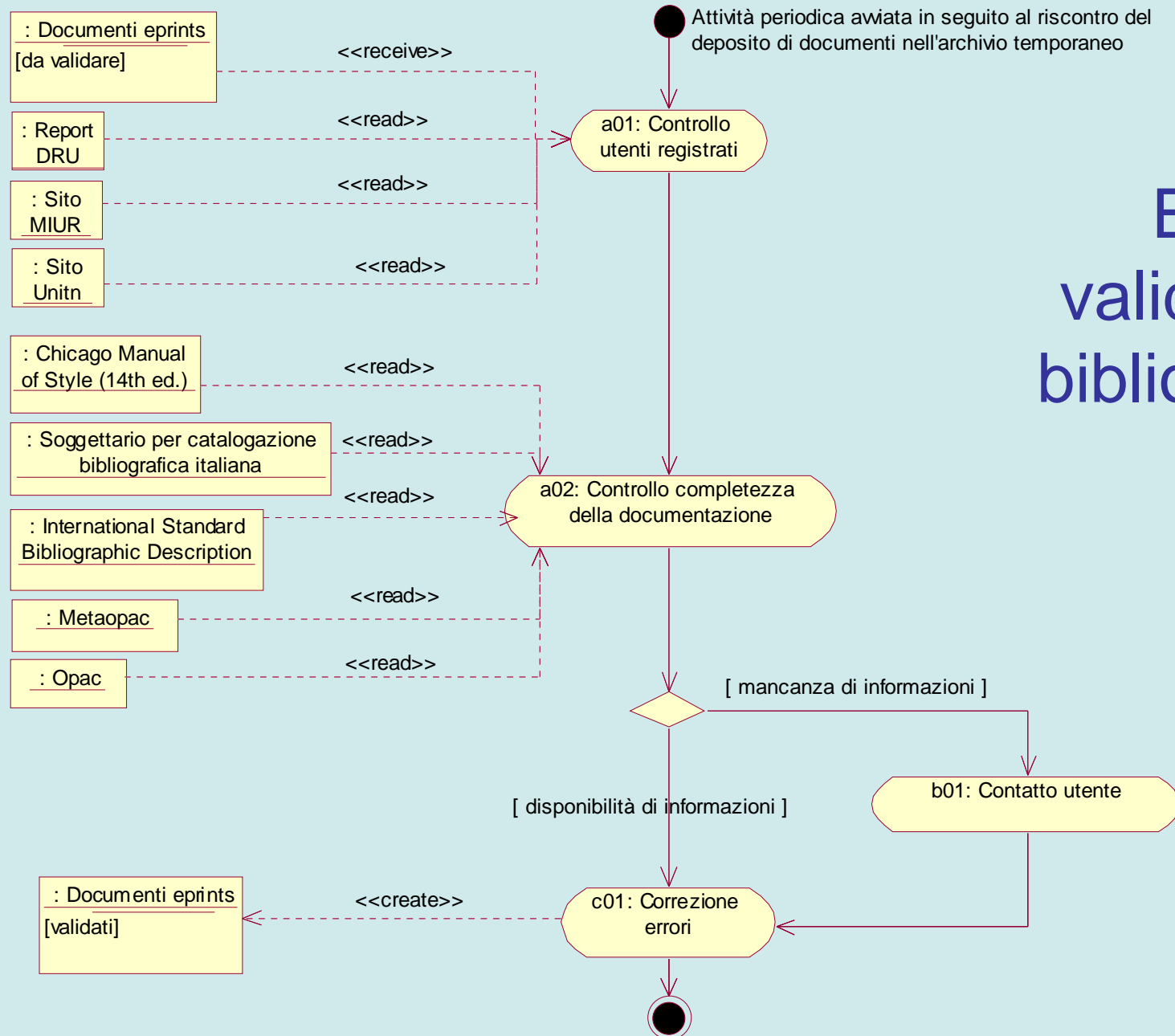
In an ad hoc environment with no wired communication infrastructure, mobile hosts necessarily operate as routers, in order to provide network connectivity. Since mobile ad hoc networks change their topology frequently and without prior notice, routing in such networks becomes a challenging task.

In this paper we present MORA, a movement-based routing algorithm for mobile ad hoc networks. The algorithm is completely distributed, since nodes need to communicate only with direct neighbors in their transmission range, and utilizes a specific metric, which exploits not only the position, but also the direction of movement of mobile hosts.

Unitn-Eprints : validazione dei documenti



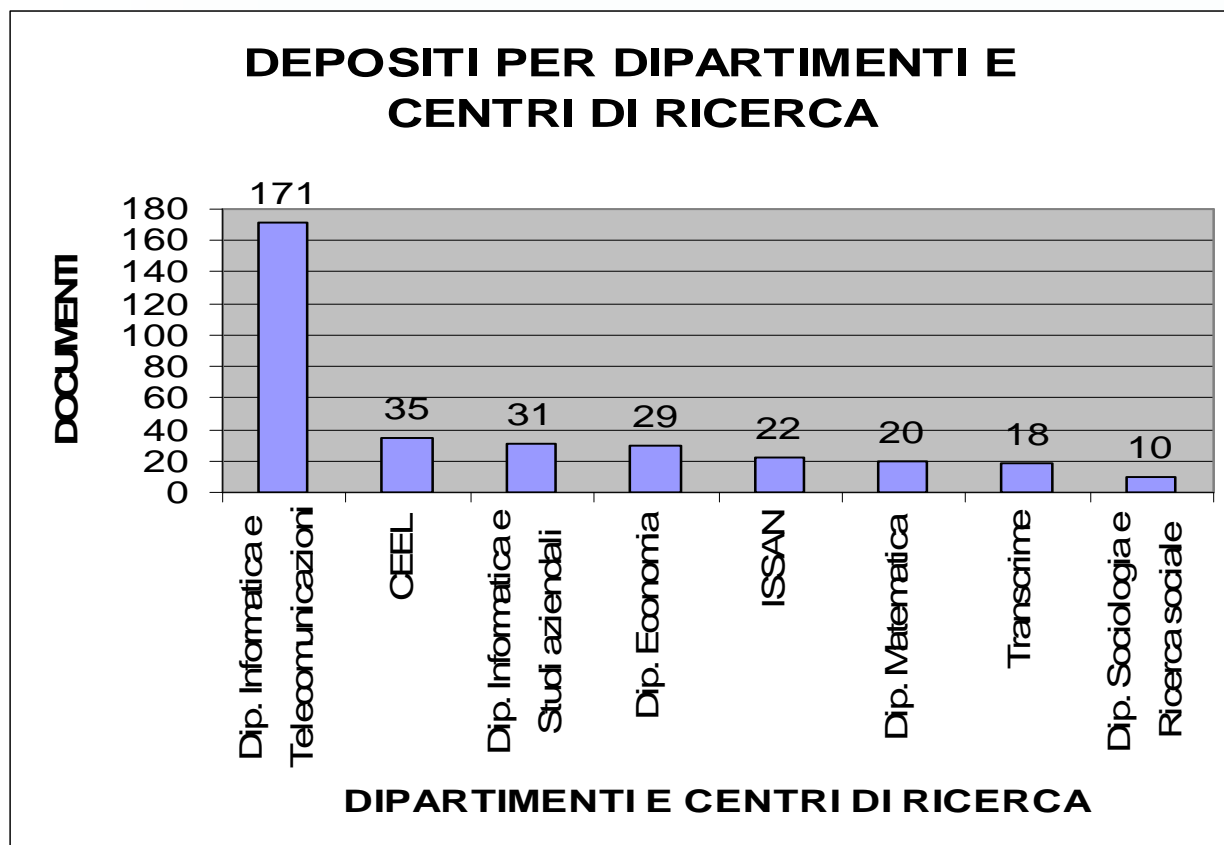
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Unitn-Eprints : Dettagli tecnici

- ✓ Server biprocessore , CPU 900 MHz, 1 Gb Ram, 5x70 Gb HD, RAID 5, unità backup DLCx6, alimentazione ridondata.
- ✓ Sistema Operativo Debian/GNU Linux (www.debian.org)
- ✓ Web server Apache + mod_perl + MySQL
- ✓ Servizi di supporto su ALFA-FARM (terminal server ridondata già presenti in biblioteca)
- ✓ Il sito e la *repository* del materiale risiedono su server dedicato presso la biblioteca

Dati statistici (28 gennaio 2004)



2 amministratori di sistema

70 utenti registrati

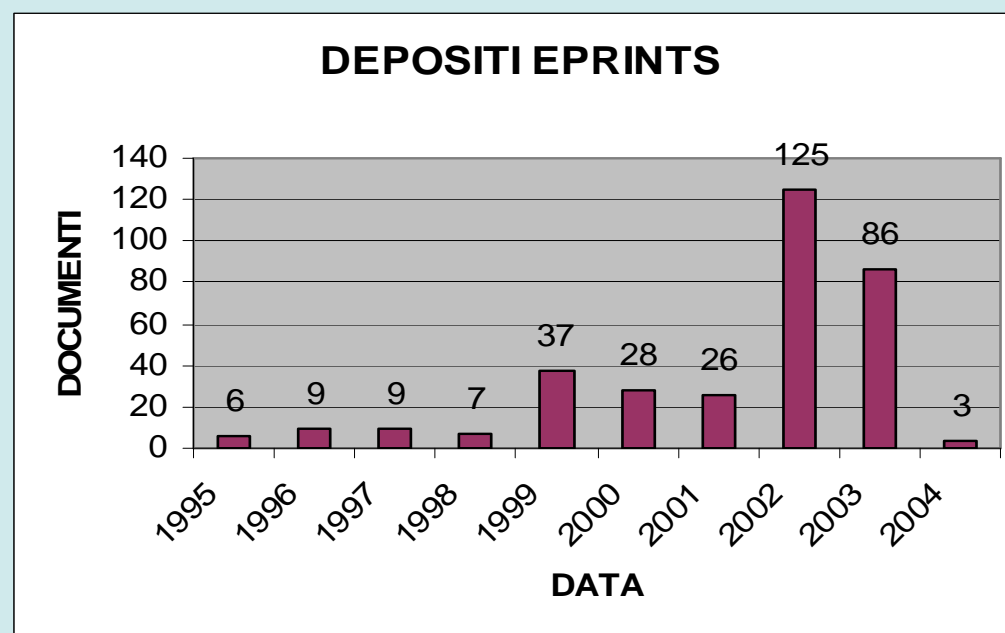
5 iscritti al servizio di **alerting** (3 giornaliero e 2 settimanale); l'incremento dal settembre 2003 è di 23 utenti (**204 %**).

- L'archivio contiene **336 articoli**; l'incremento dal settembre 2003 è di 27 documenti (**8,7 %**).

Documenti (28 gennaio 2004)

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- Book Chapter
- Conference Proceedings
- **Conference Paper**
- In collection
- Conference Poster
- **Departmental Technical Report**
- Journal (On line/Unpaginated)
- **Journal (Paginated)**
- Newspaper/ Magazine article
- **Other**
- Preprint
- **Thesis**

<i>anno di pubbl.</i>	<i>documenti</i>
1995	6
1996	9
1997	9
1998	7
1999	37
2000	28
2001	26
2002	125
2003	86
2004	3



Accessi a Unitn-Eprints

(1 maggio 2003-28 gennaio 2004)

- **50.117 visite** (1,96 visite/visitatore)
- **381.907 accessi** (7,62 accessi/visita) di cui **147.714 con protocollo OAI**
- **Robot e Spider:** Inktomi Slurp (3253 accessi), Googlebot (3016) e Fast-Webcrawler (1953).
- Accessi da motore di ricerca: **Google** (2835) e **Yahoo** (382);
- **Fraasi** maggiormente **ricercate:** “euroshore financial” (76 ricerche) e “obbligazioni strutturate” (45 ricerche).

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- ✓ **Interconnessione** per aree disciplinari dell'offerta e della produzione dell'Università di Trento;
- ✓ Standard per la raccolta dei metadata archiviati in Unitn-Eprints, **interoperabilità** con altri archivi sulla base di un protocollo condiviso;
- ✓ Integrazione con Anagrafe della ricerca scientifica (**POLARiS**);
- ✓ Integrazione con progetto di "**Anagrafica Comune**" di Ateneo ("Piano dei Sistemi");
- ✓ Adeguamento alla normativa del **diritto d'autore** e del trattamento dei dati personali (L. 675/96) ai **fini valutativi** della Ricerca Scientifica;
- ✓ Accordo con la Biblioteca Nazionale Centrale di Firenze per il **deposito legale** dell'*e-print*.