

Committee of Experts

Thirty-Fifth session

Geneva, October 25 to 29, 2004

11. CLAIMS Project

Status report by the International Bureau



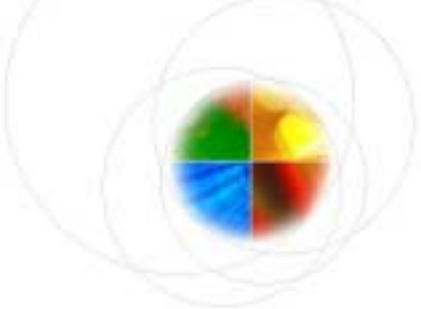
World Intellectual Property Organization



CLAIMS Project update

Agenda

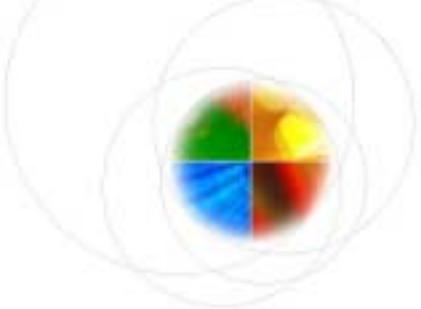
- 1. Categorization assistance
- 2. Natural language search in the IPC
- 3. IPC reform and IPC revision support
- 4. Infrastructure and access to IPC services
- 5. CLAIMS project Status summary



1. CLAIMS Categorization assistance

Status: completed

- _IPCCAT V1 on-line version: Ready at <http://claims.wipo.int/ipccat>
- English, French Spanish, Russian, German
- Standalone version Ready (new)
- Limited batch submission ready (new)



1. CLAIMS Categorization assistance

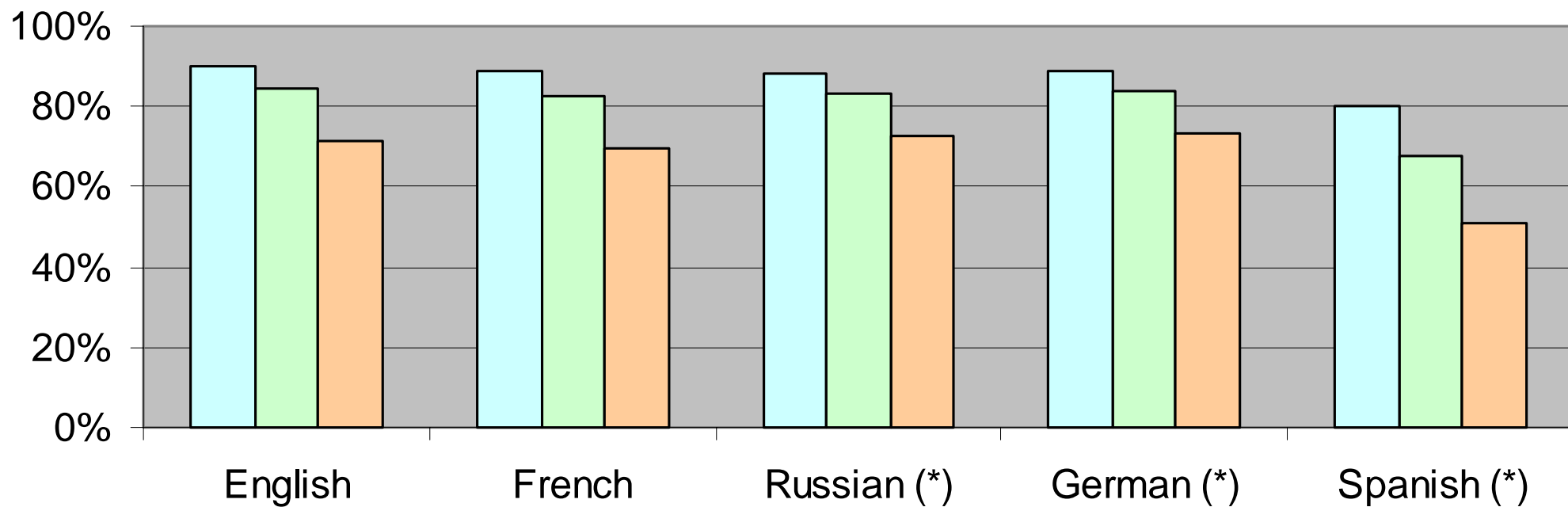
IPCCAT implementation

- User interface in English and French based on 2003 prototype feedback
 - + Upload from Word, PDF, plain text, zip
 - + Automatic Language detection
 - + Search for similar documents (in IPCCAT training set)



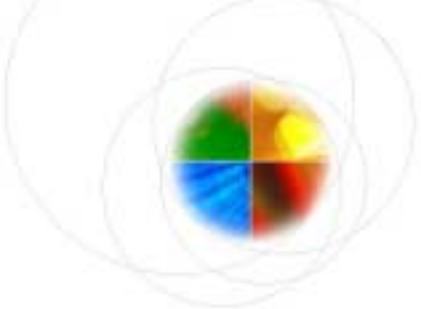
1. CLAIMS Categorization assistance

IPCCAT test results



(*) low coverage at Main-Group level

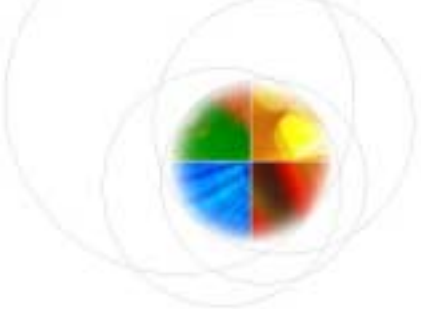
□ Class □ Subclass □ Main Group



1. CLAIMS Categorization assistance

IPCCAT Standalone (CD or DVD) : EN, FR, ES, RU, DE

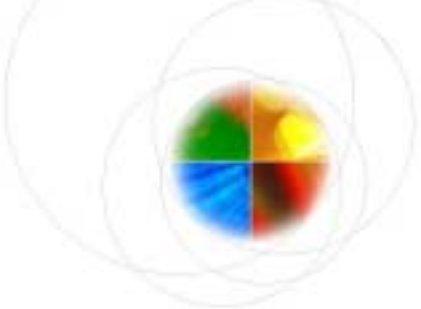
- No internet connection required
- 5 language versions on the same machine
- But only one version running at a time
- Light IPC viewer (hyperbolic tree and hierarchical tree)



1. CLAIMS Categorization assistance

IPCCAT Standalone (CD or DVD) : EN, FR, ES, RU, DE

- API and program sample for batch submission
- Memory and CPU demanding application
- Available for IP offices on demand
- Detailed statistics available on demand



1. CLAIMS Categorization assistance

IPCCAT batch submission: requested by IPC CE33 & SCIT

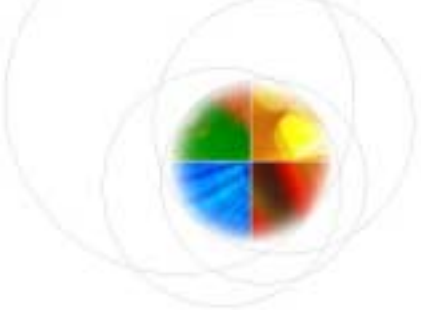
- Available on client side in the on-line version (max 50) in zip file
- Available in standalone server version in (batchProcessing directory)
- Can be customized using API
- Demonstration on demand



1. CLAIMS Categorization assistance

IPCCAT conclusion

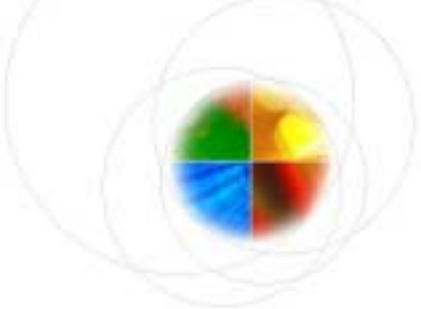
- Good algorithm (Winnow + Geneva University)
- Training sets to be further improved (MCD)
- Further motivate Research institutes (50)



2. Natural Language Search in IPC 7

TACSY: <http://claims.wipo.int/tacsy/>

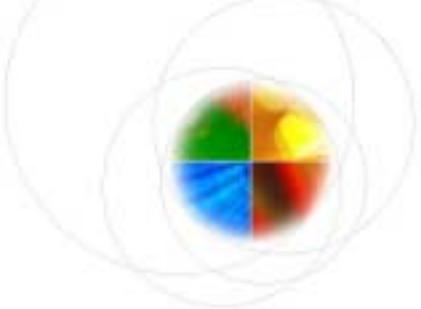
- For non-experts
- Interface in English and French
- Language independent concepts
- Cross language search



2. Natural Language Search in IPC 7

TACSY: technical approach

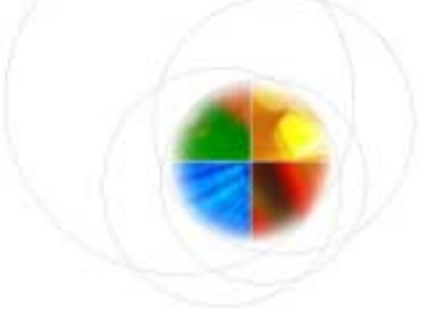
- Morpho-syntactical analysis,
- Disambiguation, Synonyms,...
- Language independent concepts
- IPC/query concept matching
- Sort distance between concepts



2. Natural Language Search in IPC 7

TACSY: which data are indexed?

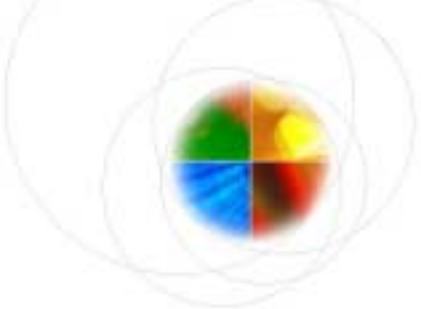
- RIPCIS XML version of IPC 7
- Some of IPC notes,
- Indexing codes,
- Official catchword index,
- English translation of the German catchword index (for English only)



2. Natural Language Search in IPC 7

TACSY: <http://claims.wipo.int/tacsy/>

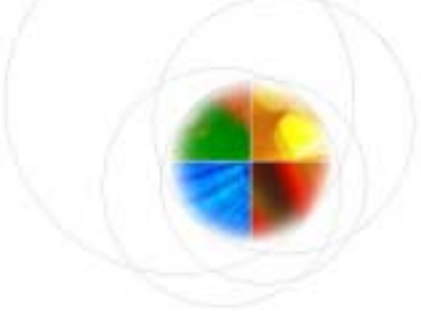
- Link to Published IPC 7 for Public access
- Link to IBIS IPC 7+ for IP offices



2. Natural Language Search in IPC 7

TACSY: conclusion

- Adapted by Lingway for CLAIMS from an ePatent project
- Better quality hits than boolean search
- Test results in ePatent white paper



3. IPC reform and IPC revision support

RIPCIS: What is new?

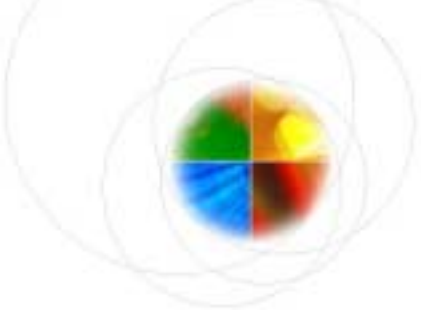
- RIPCIS in WIPO intranet
- RIPCIS output files
- IPC validity



3. IPC reform and IPC revision support

RIPCIS

- Draft IPC8 scheme produced by RIPCIS in IBIS (<http://www.wipo.int/ibis/index.html>)
- HTML and XML files available in draft version
- RIPCIS DTD (current version V 0.95)



3. IPC reform and IPC revision support

RIPCIS: planning

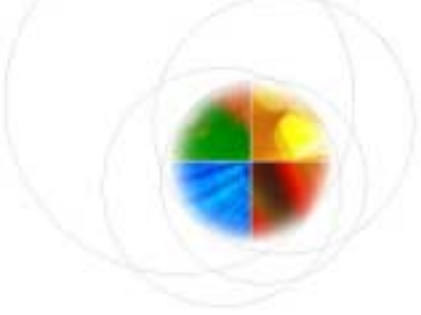
- Demonstration during next WG meeting
- Reference database at WIPO end of 2004
- Test by IPC member states Q1/2005



3. IPC reform and IPC revision support

RIPCIS XML output files: complementary role

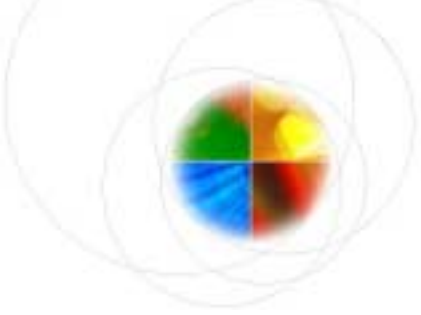
- IPC Scheme
- E-layer (chemical formulae, definitions)
- Validity file
- Concordance list



3. IPC reform and IPC revision support

RIPCI S output files

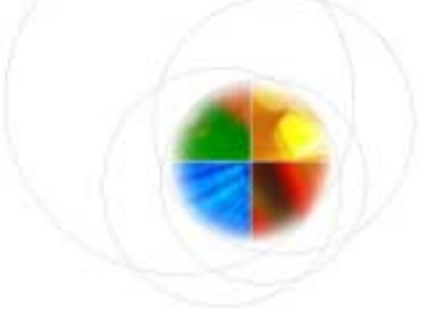
- Catchword index
- Compilation files
- Merge file
- Statistics



3. IPC reform and IPC revision support

Validity file

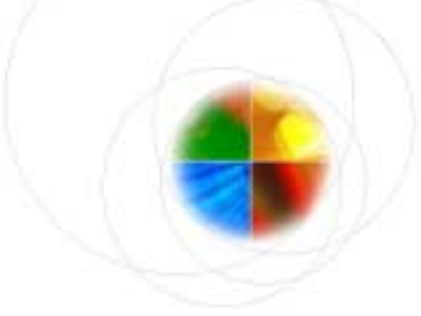
- Draft version (V0.17) provided to IT experts
- Final specification and DTD: Nov 15, 2004



3. IPC reform and IPC revision support

Validity file: clarifications of issues

- Date of entry into force: IPC version for the purpose of patent document publishing
- Classification levels: overlaps versus subset
- Content / time dimension: passed + present symbols (nothing about future)



3. Classification level in IPCR validity file

P= Pre-reform (i.e., existing prior to IPC reform)

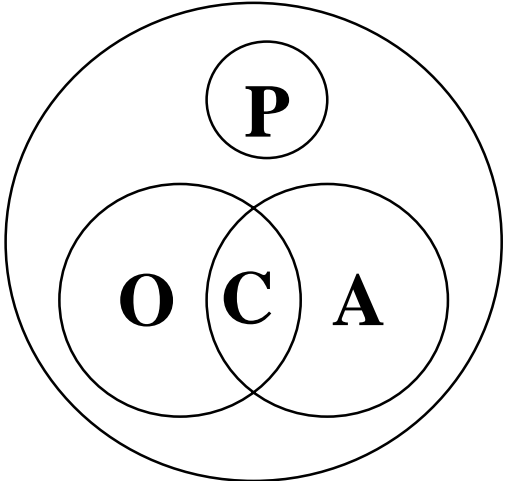
C= Common (i.e. for symbols valid for BOTH Advanced and Core level classification)

O= valid for Core level symbol, **Obsolete for the Advanced level** (i.e for Core level symbols no longer valid in the Advanced level)

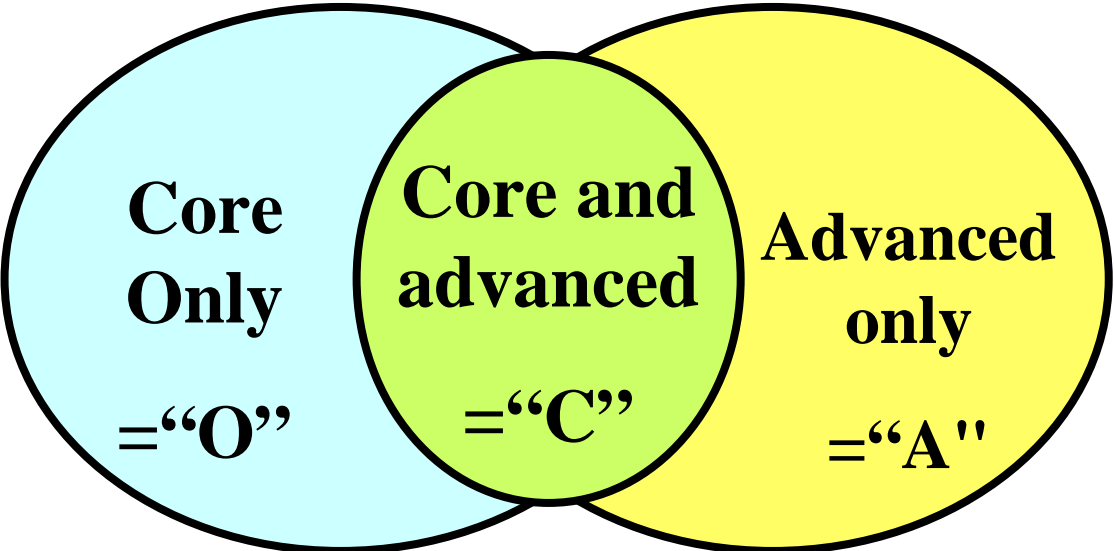
A= Advanced level (i.e. for symbols present in **Advanced level ONLY**)



3. IPC validity files



**History
part**











**Currently
valid part**



3. Scenario in validity file specs: SC Decision for June 2006

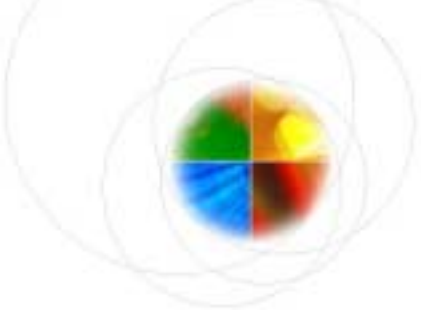
1. Create H04M 2/00 with the intention that it will become Core Level in 01/2009).
2. Delete H04M 1/00 and transfer it to H04M 2/00.

	1/2006	6/2006	1/2009
H04M	C	C	C
H04M 1/00	C 	O 	NV*
H04M 1/07	A 	NV* 	NV*
H04M 2/00		A 	C 
H04M 2/07		A 	A 

*NV : Not Valid anymore



Core predecessor



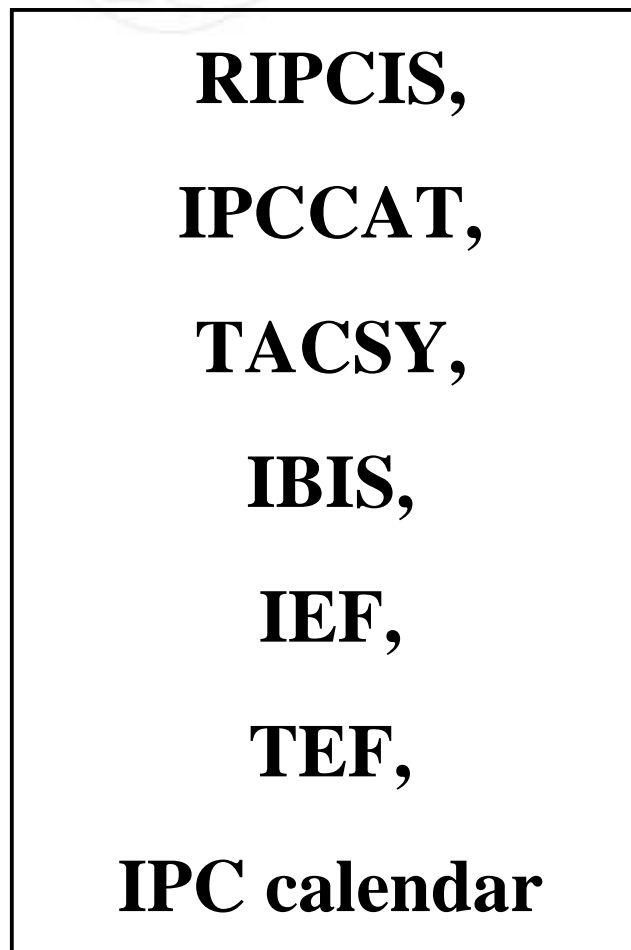
3. IPC reform and IPC revision support

IPC symbol validation

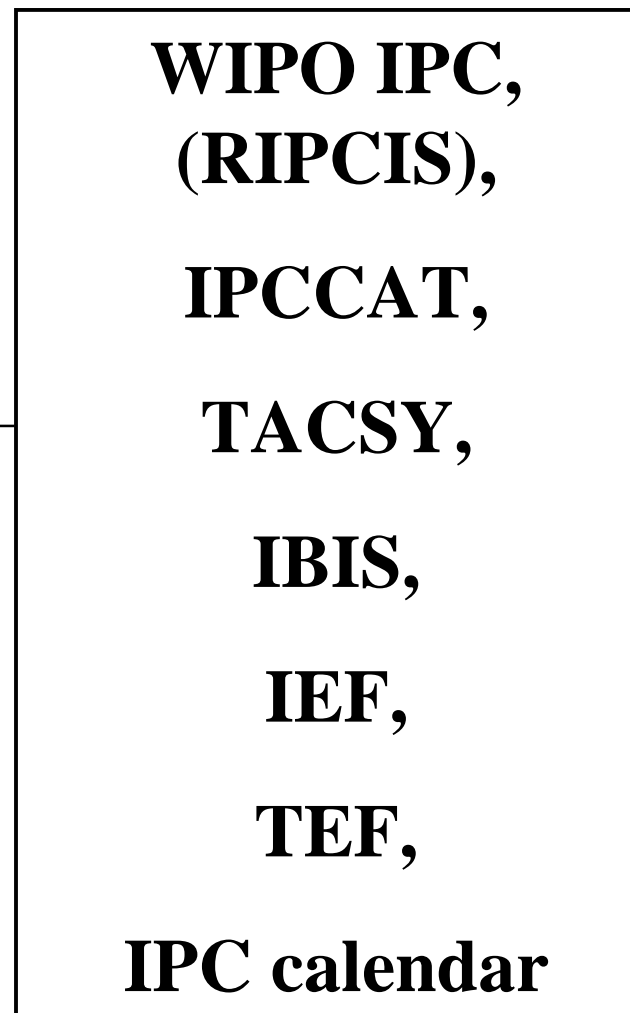
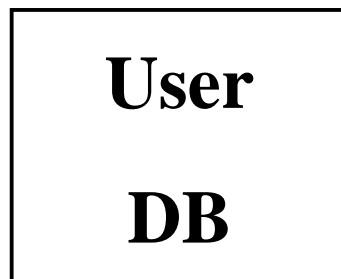
- Input: IPC symbol, allotment date, expected publication date
- Output: non-existing symbol, expired, valid & changed, Valid,...
- Possibility to call the service in batch (candidates: open URL, SOAP, XMLRPC)
- Expected users: IP offices, PCT publication,...



4. infrastructure and access to IPC services

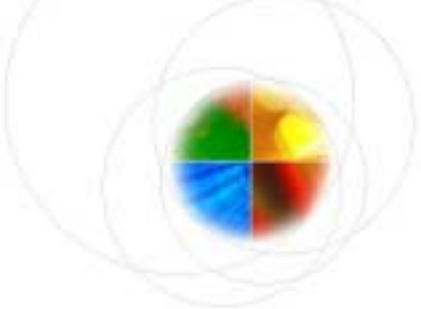


Dev & Integration



Production servers DMZ

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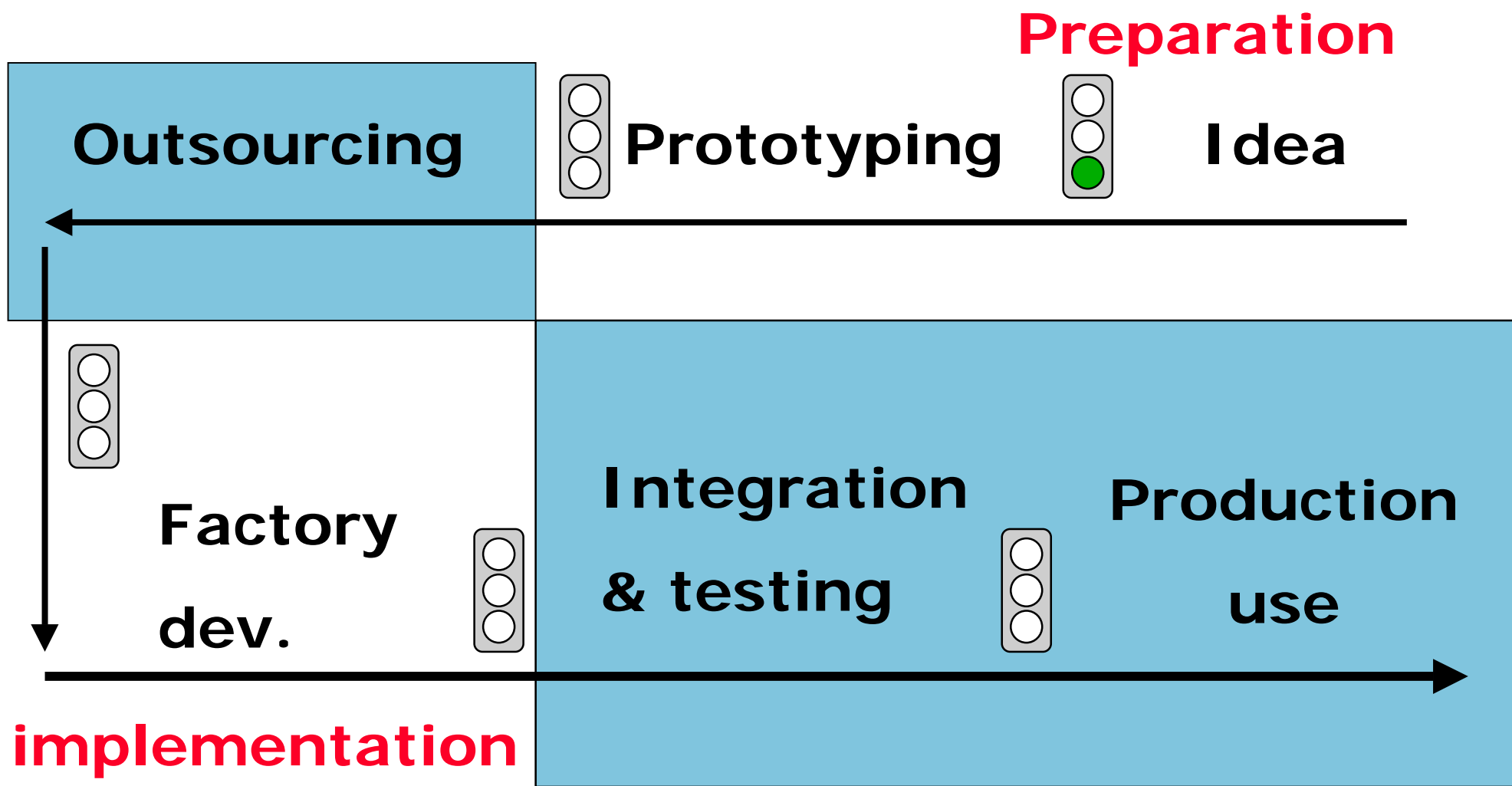
4. infrastructure and access to IPC services

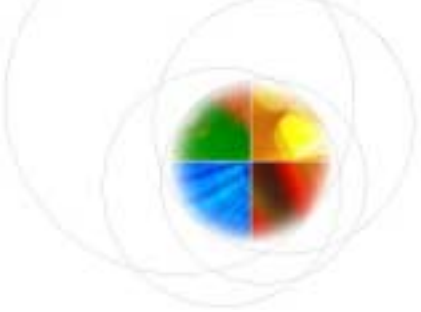
Harmonization of logins for future single sign-on: OORRRNN (e.g. EPGST01)

- OO = ST.3 code of the office (e.g. IB for WIPO)
- RRR = role (GST=Guest, RAP=Rapporteur, ADM=Administrator, and more if needed)
- NN = instance number



CLAIMS Typical development life cycle

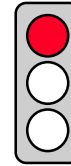




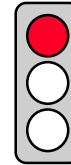
CLAIMS Project update

Implementation at CE33

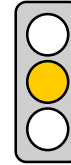
IPCCAT



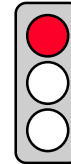
RIPCIS



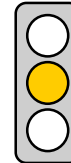
IPC Tutorial



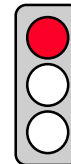
TACSY

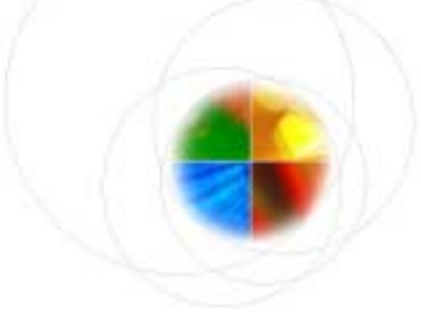


AL IPC Translation



Infrastructure upgrade

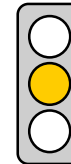




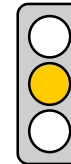
CLAIMS Project update

Implementation at CE34

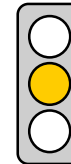
IPCCAT



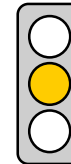
RIPCIS



IPC Tutorial



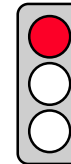
TACSY

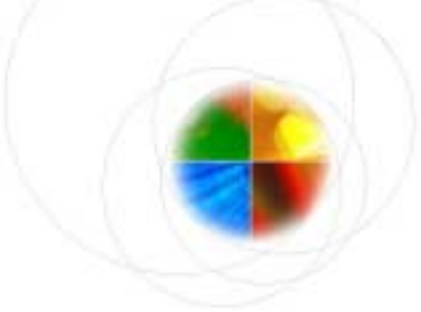


AL IPC Translation



Infrastructure upgrade





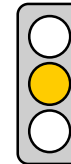
CLAIMS Project update

Implementation at CE35

IPCCAT



RIPCIS



IPC Tutorial



TACSY

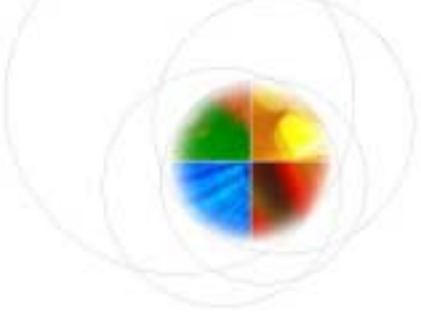


AL IPC Translation



Infrastructure upgrade





5. CLAIMS overall status

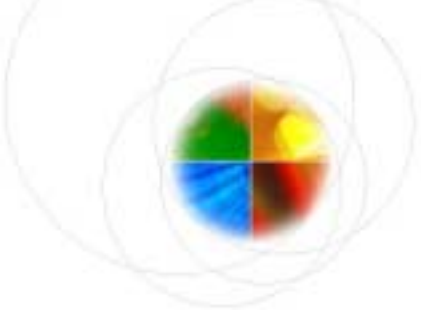
according to SCIT initial definition,

(SCIT/ITPWG/1/11 Annex, page 15-16)

CLAIMS Project development is completed

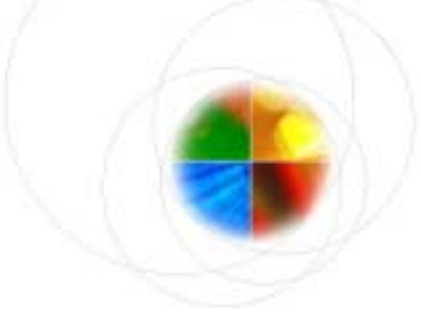
+ RIPCIS expected completion: Q4/2004

- Maintenance phase starts in 2005



5. CLAIMS overall status

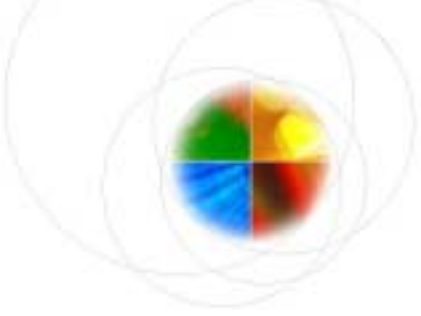
- Limited flexibility for future actions:
 - + IT team : 90% (Project Manager & Secretary)
 - + CLAIMS 100% dependency on outside partners and other IB business priorities
 - + No specific IT budget for further development



CLAIMS Project

Questions / Answers

CLAIMS Project



Thank you

