

Provisional CO-LaN Budget for 2001

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Resources

➤ Membership fees

- ⇒ Major source of income
- ⇒ Membership open all year round

➤ Labelling fees

- ⇒ Uncertain source of income for 2001
- ⇒ Subject to CO Tester availability
- ⇒ Subject to specifications freeze

Resources from membership: 131,000 euros

Year 2001 Membership fees

➤ College A: 10 members i.e. 100,000 euros

⇒ Strategic level

- IFP, TotalFinaElf, BP, BASF, DOW, MCC, NH, Shell + ?

➤ College B: 5 members i.e. 26,000 euros

⇒ Strategic level

- HyproTech + ?

⇒ Associate level

- ProSim SA, SRS + ?

➤ College C: 5 members i.e. 5,000 euros

- INPT, DTU + ?

➤ Individuals: 2 members i.e. 200 euros

Resources from labelling: 15,000 euros

Year 2001 Labelling fees

- Process Modelling Components
 - ⇒ 2 small components
 - ⇒ 2 medium components
 - ⇒ 1 large component
- Optimistic !

Expenses: 112,000 euros

Year 2001

➤ Dissemination activities (*not in GCO*): 42,000 euros

⇒ Make the CO-LaN known

- as a standardisation body
- within the Chemical Process Industries
- to the academia

➤ Development activities: 68,000 euros

⇒ Invest

- in needed software tools
- in needed hardware

➤ Administration activities: 2,000 euros

Expenses: dissemination activities

- **Graphical charter (*one time expense*)**
 - ⇒ **Subcontract: 10,000 euros**
- **Web site design (*one time expense*)**
 - ⇒ **Subcontract: 20,000 euros**
- **Conferences and visits to membership prospects**
 - ⇒ **Travel expenses: 10,000 euros**
 - **ICheAp-5, Firenze, Italy, May (submitted)**
 - **PPEPPD, Osaka, Japan, May (accepted)**
 - **ECCE-3, Nüremberg, Germany, June (2 posters accepted)**
 - **6th World Cong Chem Eng, Melbourne, Australia, Sept (submitted)**
 - **GP2001, Nancy, France, October (submitted)**
 - **SIIT-2, Boulder, Colorado, October (to be submitted)**
 - **Ebusiness e-work 2001, Venice, Italy (to be submitted)**
- **Miscellaneous: 2,000 euros**

Expenses: development activities

➤ Software development

⇒ CO Tester applied to full scope of CO specifications

- subcontract: 30,000 euros

⇒ CO-LaN repositories (*one time expense*)

- subcontract: 30,000 euros

⇒ Miscellaneous items: 6,000 euros

➤ Hardware

⇒ Laptop

- depreciation: 2,000 euros

Expenses: administration activities

- **Miscellaneous items: 2,000 euros**

Balance for 2001

- **Income: 146,200 euros**
- **Expenses: 112,000 euros**
- **To be adapted to circumstances**

CO-LaN Budget for 2002-2005

Projections

Revenues

➤ Membership fees

- ⇒ **Keep the founding members in the CO-LaN**
- ⇒ **Attract new members: double membership within 5 years**

➤ Labelling fees

- ⇒ **Components and COSEs produced within CO and GCO**
 - **No fee levied for versions issuing from CO and GCO**
- ⇒ **Third-party components**
 - **Component market has to develop**

College A membership: CAPE tools users

Level	2001	2002	2003	2004	2005
Strategic	10	12	14	15	16
Principal	0	1	2	2	2
Associate	0	0	0	0	1
Individual	2	3	4	5	6
Income	100,200	127,300	150,400	160,500	172,600

College B membership: CAPE tools vendors

Level	2001	2002	2003	2004	2005
Strategic	2	2	2	3	3
Principal	0	0	1	1	1
Associate	3	4	5	6	7
Individual	0	0	0	1	2
Income	26,000	28,000	35,000	47,100	49,200

College C membership: academics

Level	2001	2002	2003	2004	2005
Strategic	5	6	7	8	9
Individual	0	1	2	3	4
Income	5,000	6,100	7,200	8,300	18,400
Income (A+B+C)	131,200	161,400	192,600	215,900	231,200

Labelling (major releases)

	2001	2002	2003	2004	2005
Small PMC	2,000 (2)	4,000 (4)	8,000 (8)	12,000 (12)	16,000 (16)
Medium PMC	6,000 (2)	12,000 (4)	15,000 (5)	21,000 (7)	27,000 (9)
Large PMC	7,000 (1)	7,000 (1)	14,000 (2)	21,000 (3)	28,000 (4)
Small PME	0	5,000 (1)	5,000 (1)	5,000 (1)	5,000 (1)
Large PME	0	10,000 (1)	10,000 (1)	10,000 (1)	10,000 (1)
Total	15,000	38,000	52,000	69,000	86,000

Labelling (minor releases)

	2001	2002	2003	2004	2005
Small PMC	0	800 (4)	1,600 (8)	2,400 (12)	3,200 (16)
Medium PMC	0	2,400 (4)	3,000 (5)	4,200 (7)	5,400 (9)
Large PMC	0	1,400 (1)	2,800 (2)	4,200 (3)	5,600 (4)
Small PME	0	1,000 (1)	1,000 (1)	1,000 (1)	1,000 (1)
Large PME	0	2,000 (1)	2,000 (1)	2,000 (1)	2,000 (1)
Total	0	7,600	10,400	13,800	17,200

Expenses

- **CO-LaN will serve « clients »**
 - ⇒ **need of highly professional service**
- **CO-LaN by itself would need large internal human resources**
 - ⇒ **core:**
 - standards development & maintenance
 - component certification
 - ⇒ **peripherals:**
 - website
 - software development
 - repositories
- **CO-LaN will outsource mostly peripherals activities**
- **Need of contractors**
 - ⇒ **specialised organisations (universities, companies)**

Contractor A

- **Specification development process**
 - ⇒ **software interoperability testing**
 - ⇒ **polish specifications**
 - ⇒ **populate specification repository**
- **Work load estimated**
 - ⇒ **between 6 and 12 mm/yr**

Contractor B

- **Specification development process**
 - ⇒ **develop test software**
- **Compliance testing**
 - ⇒ **administrate self-test**
 - ⇒ **support self-test**
 - ⇒ **web-related accounting**
- **Component information mgt**
 - ⇒ **populate component repository**
- **Work load estimated**
 - ⇒ **around 6 mm/year**

Contractor C

- **Specification process**
 - ⇒ software interoperability testing
 - ⇒ automatic generation of test software
 - ⇒ publish specification on web
- **Component information mgt**
 - ⇒ populate component repository
 - ⇒ publish component on web
- **Migration support**
 - ⇒ migration tools & cookbook
- **Web site**
 - ⇒ machines, network ...
 - ⇒ technical Infrastructure (repositories, web site)
- **Work load estimated: equivalent to 6 mm/year**

Costs involved

➤ Subcontracts

- ⇒ 18 mm to 24 mm/year
- ⇒ 150 to 200 Keuros/year

➤ CO-LaN overheads

- ⇒ kept to a minimum but will increase over years
- ⇒ 40 Keuros/year to 120 Keuros/year

➤ Budget required

- ⇒ 240 to 320 Keuros/year

Balance

	2001	2002	2003	2004	2005
Membership	131,200	161,400	192,600	215,900	231,200
Labelling	15,000	45,600	62,400	82,800	103,200
Income	146,200	207,000	255,000	298,700	334,400
Expense	112,000	240,000	240,000	280,000	320,000
Balance	34,200	-33,000	15,000	18,700	14,400