

Chart 1: Basic information on dates and material scope.

| S | Year of issuance | Years of revisions | National | International | Disciplinary | Interdisciplinary |
|----|------------------|------------------------------|----------|---------------|--------------|-------------------|
| 1 | 1989 | 1994 & 1995 | | X | | X |
| 2 | 1996 | | | X | | X |
| 3 | 1992 | | | X | X | |
| 4 | 1997 | 2000 | | X | | X |
| 5 | 1992 | | | X | | X |
| 6 | 1995 | | | X | | X |
| 7 | N/A | | | X | | X |
| 8 | 2000 | | | X | | X |
| 9 | 1997 | | | X | | X |
| 10 | 1978 | 1989 | | X | | X |
| 11 | 1981 | | | X | | X |
| 12 | 1997 | | | X | | X |
| 13 | 1999 | | | X | | X |
| 14 | 1964 | 1975, 1983, 1989, 1996, 2000 | | X | X | |
| 15 | 1949 | | | X | X | |
| 16 | 1988 | | | X | | X |
| 17 | 1992 | | | X | | X |
| 18 | 1997 | | | X | | X |
| 19 | 1986 | | | X | | X |
| 20 | 1998 | | | X | | X |
| 21 | 1955 | | | X | | X |
| 22 | 1995 | | | X | | X |
| 23 | 1998 | | | X | | X |
| 24 | 1992 | | | X | | X |
| 25 | 1985-1987 | | | X | | X |
| 26 | 1985-1987 | | | X | | X |
| 27 | 1997 | | | X | | X |
| 28 | | | | | | |
| 29 | 1994 (updated) | | | X | X | |
| 30 | 1993 (updated) | | | X | X | |
| 31 | 1995 (updated) | | | X | X | |
| 32 | 1998 | | | X | X | |
| 33 | 2000 | | | X | X | |
| 34 | 1983 | | | X | X | |
| 35 | 1998 | | | X | X | |
| 36 | ? | | | X | X | |
| 37 | 2000 | | | X | X | |

Sent mail with request for year.

Institute est. 1985, oath published in '87 or in between '85 and '87
(Identical to 25)

Mail sent with request for year.

| S | Year of issuance | Years of revisions | National | International | Disciplinary | Interdisciplinary |
|----|---------------------|--------------------|----------|---------------|--------------|-------------------|
| 38 | 2001 | | | X | X | |
| 39 | 1973 (published) | | | X | X | |
| 40 | 1998 | | X | | | |
| 41 | N/A | | X | | | |
| 42 | 1994 | | X | | X | |
| 43 | 1994 | | X | | X | |
| 44 | 2000 | | X | | X | |
| 45 | 1999 | | X | | X | |
| 46 | 1996 | | X | | | |
| 47 | 1996 | | X | | X | |
| 48 | 1996 | | X | | X | |
| 49 | 1998 | | X | | X | |
| 50 | 1998 | | X | | X | |
| 51 | 1998 | | X | | X | |
| 52 | 1972 | | X | | | X |
| 53 | 1981 | | X | | | X |
| 54 | 1981 | | X | | | X |
| 55 | 1981 | | X | | | X |
| 56 | 1981 | | X | | | X |
| 57 | 1996 | | X | | | X |
| 58 | 1989 | 1995 | X | | | X |
| 59 | 1987 | | X | | | X |
| 60 | 1996 | | X | | X | |
| 61 | 1914 | | X | | X | |
| 62 | 1970 | | X | | X | |
| 63 | 1989 | | X | | | X |
| 64 | 1985 | | X | | X | |
| 65 | 1989 | | X | | X | |
| 66 | 1991 | | X | | X | |
| 67 | N/A | | X | | | X |
| 68 | N/A | | X | | | X |
| 69 | 1998 | | X | | X | |
| 70 | 1998 | | X | | X | |
| 71 | 1998 | | X | | | X |
| 72 | 1992 | | X | | X | |
| 73 | 1999 | 2000 | X | | | |
| 74 | 1993 | | X | | | |
| 75 | 1993 | | X | | X | |
| 76 | 1993 | | X | | X | |
| 77 | ? | | X | | X | |
| 78 | 1999 | | X | | X | |
| 79 | 2000 | | X | | X | |
| 80 | 1999 | | X | | | X |
| 81 | 1997 | | X | | | X |
| 82 | 1969 | 1997 | X | | | X |

This row on both charts received dec. 2001 and some received earlier.

In Chinese only: no translation is available.

Mail sent with request for year.

| S | Year of issuance | Years of revisions | National | International | Disciplinary | Interdisciplinary |
|----------|-------------------------|---------------------------|-----------------|----------------------|---------------------|--------------------------|
| 83 | 1999 | | X | | X | |
| 84 | 1989 | | X | | | X |
| 85 | 1999 | | X | | | X |
| 86 | ? | | X | | X | |
| 87 | ? | | X | | X | |
| 88 | ? | | X | | X | |
| 89 | ? | | X | | X | |
| 90 | ? | | X | | X | |
| 91 | ? | | X | | X | |
| 92 | ? | | X | | X | |
| 93 | ? | | X | | X | |
| 94 | ? | | X | | X | |
| 95 | 2000 | | X | | | X |
| 96 | 1999 | | X | | | X |
| 97 | 2001 | | X | | | X |
| 98 | 1999 | | X | | | X |
| 99 | 1999 | | X | | | X |
| 100 | 1998 | | X | | X | |
| 101 | 1995 | | X | | X | |
| 102 | N/A | | X | | | X |
| 103 | 1999 | | X | | | X |
| 104 | N/A | 1994 | X | | X | |
| 105 | 1998 | | X | | | X |
| 106 | 1993 | 1999 | X | | | X |
| 107 | 1995 | | X | | | X |
| 108 | 1984 | | X | | | X |
| 109 | 1994 | | X | | X | |
| 110 | 1983 | 1995 | X | | | X |
| 111 | ? | | X | | X | |
| 112 | 2000 | | X | | | X |
| 113 | ? | | X | | | X |
| 114 | 1975 | | X | | X | |
| 115 | ? | | X | | X | |

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

Cannot find any references on the Internet.

The date 1-jun-01 appears on charter on the Internet.

Mail sent with request for year.

Mail sent with request for year.

Charts 2-3: Types of organisations and standards. Which type of organisation has issued an ethical standard, and what type of standard has it issued?

| S | Chart 2: Type of organisations | | | | |
|----|---------------------------------|------------|-----------------------|---|---------------------|
| | academy/ research council | university | union/ass ociation | One type event (e.g. Conferen ce) | Other |
| 1 | | | X | | |
| 2 | | | X | | |
| 3 | | | X | | |
| 4 | | | X | | |
| 5 | | | X | | |
| 6 | | | X | | |
| 7 | | | X | | |
| 8 | | | X | | |
| 9 | | | | | X |
| 10 | | | | | X |
| 11 | | | X | | |
| 12 | | | | | X |
| 13 | | | | X | |
| 14 | | | X | | |
| 15 | | | | X | |
| 16 | | | | X | |
| 17 | | | | X | |
| 18 | | | | | X |
| 19 | | | | | X |
| 20 | | | X | | |
| 21 | | | | | X |
| 22 | | | | X | (?) |
| 23 | | | | X | |
| 24 | | | | X | |
| 25 | | | | | X |
| 26 | | | | | X (Identical to 25) |
| 27 | | | X | | |
| 28 | | | | | |
| 29 | | | X | | |
| 30 | | | X | | |
| 31 | | | X | | |
| 32 | | | X | | |
| 33 | | | X | | |
| 34 | | | X | | |
| 35 | | | X | | |
| 36 | X | | | | |
| 37 | | | X | | |
| 38 | | | X | | |
| 39 | | | | | X |
| 40 | | | | X | |
| 41 | | | | | X |
| 42 | | | X | | |
| 43 | | | X | | |

| 44 | | | X | | |
|----|---------------------------------|------------|-----------------------|---|-------|
| | academy/ research council | university | union/ass ociation | One type event (e.g. Conferenc e) | Other |
| 46 | X | | | | |
| 47 | | | X | | |
| 48 | | | X | | |
| 49 | X | | | | |
| 50 | X | | | | |
| 51 | | | X | | |
| 52 | | | X | | |
| 53 | | | X | | |
| 54 | | | X | | |
| 55 | | | X | | |
| 56 | | | X | | |
| 57 | | | X | | |
| 58 | X | | | | |
| 59 | | | | | X |
| 60 | | | | | X |
| 61 | | | | | X |
| 62 | X | | | | |
| 63 | X | | | | |
| 64 | | | | | X |
| 65 | | | | | X |
| 66 | | | X | | |
| 67 | X | | | | |
| 68 | | | | | X |
| 69 | X | | | | |
| 70 | X | | | | |
| 71 | X | | | | |
| 72 | | | | | X |
| 73 | X | | | | |
| 74 | | | | | |
| 75 | | | X | | |
| 76 | | | X | | |
| 77 | | | X | | |
| 78 | X | | | | |
| 79 | X | | | | |
| 80 | X | | | | |
| 81 | X | | | | |
| 82 | X | | | | |
| 83 | X | | | | |
| 84 | X | | | | |
| 85 | X | | | | |
| 86 | | | X | | |
| 87 | | | X | | |
| 88 | | | X | | |
| 89 | | | X | | |
| 92 | | | X | | |
| 93 | | | X | | |

This row appears twice on different forms!

| 16 | | | | | | | | | | X | | | | | | |
|----|------|--------|------|-----------|-----------|--------|---------------------|-----------|-----------|-------------|------------|------------|---------|-----|-------|---------------|
| | oath | pledge | code | guideline | principle | appeal | recom- mendation | manifesto | statement | declaration | resolution | convention | charter | law | other | |
| 17 | | | | | | | | | | X | | | | | | |
| 18 | | | | | | | | | | | | X | | | | |
| 19 | | | | | | | | | | | | X | | | | |
| 20 | | | | | | | | | X | | | | | | | |
| 21 | | | | | | | | X | | | | | | | | |
| 22 | | X | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | X | | | | | | |
| 24 | | | | | | | | | | | X | | | | | |
| 25 | X | | | | | | | | | | | | | | | |
| 26 | X | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | X | | | | | | |
| 28 | | | | | | | | | | | | | | | | |
| 29 | | | X | | | | | | | | | | | | | |
| 30 | | | X | | | | | | | | | | | | | |
| 31 | | | | | | | X | | | | | | | | | |
| 32 | | | X | | | | | | | | | | | | | |
| 33 | | | | | | | | | | X | | | | | | |
| 34 | | | X | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | X (report) |
| 36 | | | X | | | | | | | | | | | | | |
| 37 | | | X | | | | | | | | | | | | | |
| 38 | | | X | | | | | | | | | | | | | |
| 39 | X | | | | | | | | | | | | | | | |
| 40 | | X | X | | | | | | | | | | | | | |
| 41 | | | | | | | | | | | | | | | | |
| 42 | | | X | | | | | | | | | | | | | |
| 43 | | | X | | | | | | | | | | | | | |
| 44 | | | X | | | | | | | | | | | | | |
| 45 | | | X | | | | | | | | | | | | | |
| 46 | | | | | X | | | | | | | | | | | |
| 47 | | | X | | | | | | | | | | | | | |
| 48 | | | X | | | | | | | | | | | | | |
| 49 | | | X | | | | | | | | | | | | | |
| 50 | | | | X | | | | | | | | | | | | |
| 51 | | | X | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | X | | | | | |
| 53 | | | | | | | | | | | X | | | | | |
| 54 | | | | | | | | | | | X | | | | | |
| 55 | | | | | | | | | | | X | | | | | |
| 56 | | | | | | | | | | | X | | | | | |
| 57 | | | | | | | | | | | | | | | | X |
| 58 | | | | X | | | | | | | | | | | | |

(Identical to 25)

| | | | | | | | | | | | | | | | | |
|-----|------|--------|------|-----------|-----------|--------|---------------------|-----------|-----------|-------------|------------|------------|---------|-----|-------|---|
| 106 | | | | X | | | | | | | | | | | | |
| | oath | pledge | code | guideline | principle | appeal | recom- mendation | manifesto | statement | declaration | resolution | convention | charter | law | other | |
| 107 | | | | X | | | | | | | | | | | | |
| 108 | | | X | | | | | | | | | | | | | |
| 109 | | | | | | | | | | | | | | | X | |
| 110 | | | | X | X | | | | | | | | | | | |
| 111 | | | | X | | | | | | | | | | | | |
| 112 | | | | | | | | | | | | X | | | | |
| 113 | | | | | | | | | | | | | | | X | |
| 114 | | | | X | | | | | | | | | | | | |
| 115 | | X | | | | | | | | | | | | | | X |

Charts 4-5: How many ethical standards make reference to individual versus communal qualities as positive values for science, and which are the main virtues recommended?

| S | Chart 4: Ethical responsibilities of individual | | | | | | | | | | | |
|----|---|----------|----------|--------------|----------|-------------------|-------------------|---------|---------------|---------|----------------------|-----------------|
| | honesty | openness | fairness | truthfulness | accuracy | conscientiousness | giving due credit | respect | collaboration | loyalty | professional quality | whistle blowing |
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | X | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | |
| 6 | | X | | X | | | | X | | | | X |
| 7 | | | | | | | X | | | | | |
| 8 | | | | | | | | | | | | |
| 9 | X | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | |
| 13 | | X | | | | | | | X | | X | |
| 14 | | | | | X | X | | X | | | | |
| 15 | | X | | | | | | | | | X | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | X | | | | | | |
| 23 | | | | | | | | | | | | |
| 24 | | X | | | | X | | | | | | X |
| 25 | | | | | | X | | | | | | |
| 26 | | | | | | X | | | | | | |

| 75 | | | | | | | | X | | | X | |
|-----|---------|----------|----------|--------------|----------|-------------------|-------------------|---------|---------------|---------|----------------------|-----------------|
| | honesty | openness | fairness | truthfulness | accuracy | conscientiousness | giving due credit | respect | collaboration | loyalty | professional quality | whistle blowing |
| 76 | | | | | | | | | | | X | |
| 77 | | | | | | | X | | | | X | |
| 78 | | | | | X | | | X | X | | X | |
| 79 | | | | | X | | | X | | | X | |
| 80 | X | | X | | X | | X | X | X | | X | |
| 81 | | | | X | X | | X | X | X | | X | |
| 82 | | | | | X | | | X | | | X | |
| 83 | | | | | | | | | | | | |
| 84 | | | | X | | | | | X | | | |
| 85 | X | X | X | | | | X | X | X | | X | |
| 86 | X | | X | | | | X | | | X | X | |
| 87 | X | | X | | X | | X | | X | | | X |
| 88 | | | X | | | | | | X | | | X |
| 89 | | | X | | | | X | | X | | | X |
| 90 | | | | | | | | | | | | |
| 91 | X | | | | | | | | X | | X | |
| 92 | | | X | | | | | | X | | X | X |
| 93 | X | | | | X | X | | X | X | | X | |
| 94 | | | | | | | | | | | X | |
| 95 | X | | X | X | | | | X | X | | X | |
| 96 | | | | | | | | | X | | | |
| 97 | | | | | | | | X | | | | |
| 98 | X | | | X | | | X | | X | | X | X |
| 99 | X | | | | | | X | | | | X | X |
| 100 | X | | | X | | | X | | X | | X | |
| 101 | | | | X | | | | | | | X | |
| 102 | | | | X | | | | X | | | X | |
| 103 | | | | | | | | | | | | |
| 104 | X | X | | | | X | | | | | X | |
| 105 | X | X | X | X | X | X | X | | X | | X | |
| 106 | | X | X | X | X | | X | X | X | | X | |
| 107 | X | X | X | X | X | X | X | X | X | X | X | |
| 108 | X | | | X | X | | | | X | | | |
| 109 | | | | | | | | X | X | | X | |
| 110 | | | | | | | | X | | | | X |
| 111 | | X | | X | X | X | X | X | X | | X | |
| 112 | | X | | X | X | | X | | X | | X | |
| 113 | X | | | X | X | X | | X | | | X | |
| 114 | X | X | | | X | X | X | | X | X | X | |
| 115 | | | | | X | | | X | | | X | |

| | social responsibility | environmental responsibility | sustainable development | socio-economic development | social welfare | socio-economic equity | gender equity | scientific freedom | peace | democratic development | human rights | welfare of human subjects | animal welfare | scientists acting in different roles | internet | whistle-blowing & institutional responsibility |
|----|-----------------------|------------------------------|-------------------------|----------------------------|----------------|-----------------------|---------------|--------------------|-------|------------------------|--------------|---------------------------|----------------|--------------------------------------|----------|--|
| 37 | X | | | | | | | | | | | | | X | | |
| 38 | X | X | X | X | | X | | | | | | X | | | | X |
| 39 | X | X | | | | | | | | | | | | | | |
| 40 | | | | | | | | | X | | | | | | | |
| 41 | | | | | | | | | | | | | | | | |
| 42 | | | | | | | | | | | | | | | | |
| 43 | | | | | | | | | | | | | | | | |
| 44 | | | | | | | | | | | X | X | | | | |
| 45 | X | | | | | | | | | | | | | X | | |
| 46 | | | | | | | | | | | | | | | | |
| 47 | | | | | | | | | | | | | | | | |
| 48 | | | | | | | | | | | | | | | | |
| 49 | | | | | | | | | | | | | | | | |
| 50 | X | | | | | | | | | | | | | X | | |
| 51 | | | | | | | | | | | | | | X | | |
| 52 | | | | | | | | X | | | | | | | | |
| 53 | | | | | | | | X | | | | | | | | |
| 54 | | | | | | | | X | | | | X | | | | |
| 55 | | | | | | | | X | | | X | | | | | |
| 56 | | | | | | | | X | | | | | | | | |
| 57 | | | | | | | | | | | | X | X | | | |
| 58 | | | | | | | | | | | | | | | | |
| 59 | X | X | | | | | | | | | | | | | | |
| 60 | X | X | | | | | | | | | | | | X | | |
| 61 | X | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | X | | | | |
| 63 | | | | | | | | | | | | | | X | | |
| 64 | | | | | | | | | | | | X | X | X | | |
| 65 | | | | | | | | | | | | | X | | | |
| 66 | | | | | | | | | | | | | | X | | |
| 67 | X | X | | X | | X | | | | | | X | X | | | |
| 68 | | | | | | | | | | | | | | | | X |
| 69 | | | | | | | | | | | | | | X | | |
| 70 | | | | | | | | | | | | | | X | | |
| 71 | | | | | | | | | | | | | | | | X |
| 72 | X | | | | | | | | | | | | | X | | |
| 73 | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | |
| 75 | X | | | | | | | | | | | | | | | |
| 76 | X | | | | | | | | | | | | | | | |
| 77 | X | | | | | | | | | | | X | | | | |
| 78 | | | | | | | | | | | | | | X | | |
| 79 | X | X | | | | | | | | | | X | | | | |

| | social responsibility | environmental responsibility | sustainable development | socio-economic development | social welfare | socio-economic equity | gender equity | scientific freedom | peace | democratic development | human rights | welfare of human subjects | animal welfare | scientists acting in different roles | internet | whistle-blowing & institutional responsibility |
|-----|-----------------------|------------------------------|-------------------------|----------------------------|----------------|-----------------------|---------------|--------------------|-------|------------------------|--------------|---------------------------|----------------|--------------------------------------|----------|--|
| 81 | | | | | | | | | | | | X | X | X | | |
| 82 | X | X | | | | | | | | | | | X | | | |
| 83 | X | X | | | | | | | | | | | | | | |
| 84 | | | | | | | | X | | | | | | | | |
| 85 | X | X | | | | | | | | | | | X | X | | |
| 86 | | | | | | | | | | | | X | X | X | | |
| 87 | | | | | | | | | | | | | | X | | |
| 88 | X | | | | | | | | | | | | | X | | |
| 89 | X | | | | | | | | | | | | | X | | |
| 90 | | | | | | | | | | | | | | | | |
| 91 | X | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | |
| 93 | X | | | | | | | | | | | X | | | | |
| 94 | | | | | | | | | | | | X | | | | |
| 95 | | X | | | | | | | | | | X | | X | | |
| 96 | X | X | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | X | | | |
| 98 | | | | | | | | | | | | | | X | | X |
| 99 | | | | | | | | | | | | | | | | X |
| 100 | X | | | | | | | X | | | | | | X | | |
| 101 | X | X | | X | | | | X | | | | | | | | |
| 102 | | | | | | | | X | | | | | | | | |
| 103 | X | X | | | | | | | | | | X | X | | | |
| 104 | X | | | | | | | | | | | | | X | | |
| 105 | X | X | | | | | | X | | | | X | X | X | | |
| 106 | X | X | | | | | | X | | X | | X | X | X | | |
| 107 | X | X | | | | | | X | | | X | X | X | X | | |
| 108 | X | X | | | | | | X | | X | | | | X | | |
| 109 | X | X | | | | | | | | | | X | | | | X |
| 110 | X | | | | | | | | | | | | X | X | | |
| 111 | X | X | X | X | | | | X | | | | | | X | | |
| 112 | X | X | X | | | | | X | | | | | | X | | |
| 113 | X | X | X | X | | | | X | | | | | | X | | |
| 114 | X | X | | | | | | X | | | | X | X | X | | |
| 115 | X | X | | | | | | | | | | X | | | | |

Chart 6: What is the moral scope of ethical standards in science - can national standards for good ethical practice be set aside when scientists operate outside their national boundaries?

| S | Moral scope | | | | | Role responsibilities | | | | | |
|----|-------------|---------------|--------|--------------|-------------------|-----------------------|------------|----------------|----------------|------------------|-------|
| | national | international | global | disciplinary | interdisciplinary | teacher, supervisor | researcher | policy advisor | eXpert witness | industry liaison | other |
| 1 | | X | | | X | | | | | | |
| 2 | | X | | | X | | X | | | | |
| 3 | | X | | X | | | | X | | | |
| 4 | | X | | | X | | | X | | | |
| 5 | | X | | | X | X | X | | | | |
| 6 | | X | | | X | | | | | | |
| 7 | | X | | | X | X | | | | X | |
| 8 | | X | | | X | | | | | | |
| 9 | | | X | | X | | | | | | |
| 10 | | | X | | X | | | | | | |
| 11 | | | X | | X | | | | | | |
| 12 | | | X | | X | | | | | | |
| 13 | | | X | | X | | | | | | |
| 14 | | X | | X | | | X | | | | X (1) |
| 15 | | X | | X | | | X | | | | |
| 16 | | X | X | | X | | | X | | | |
| 17 | | X | | | X | | | | | | |
| 18 | | X | | | X | | | | | | |
| 19 | | X | | | X | | | | | | |
| 20 | | X | | | X | | | | | | X |
| 21 | | X | X | | X | | | | | | |
| 22 | | X | X | | X | | X | | | | |
| 23 | | X | X | | X | | X | | | | |
| 24 | | X | X | | X | | | | | | |
| 25 | | X | X | | X | | X | | | | |
| 26 | | X | X | | X | | X | | | | |
| 27 | | | | | | | | | | | |
| 28 | | | | | | | | | | | |
| 29 | | X | | X | | | X | | | | |
| 30 | | X | | X | | | X | | | | |
| 31 | | X | | X | | | X | | | | |
| 32 | | X | | X | | | | | | | |
| 33 | | | X | X | | | | | | | |
| 34 | | X | | X | | | | | | | |
| 35 | | X | | X | | | | | | | |
| 36 | | X | | X | | | X | X | | | X |
| 37 | | X | | X | | | X | | | | |
| 38 | | X | X | X | | | X | | | | |
| 39 | | | X | X | | | X | | | | |

| | national | international | global | disciplinary | interdisciplinary | teacher, supervisor | researcher | policy advisor | eXpert witness | industry liaison | other |
|----|----------|---------------|--------|--------------|-------------------|---------------------|------------|----------------|----------------|------------------|-------|
| 40 | X | | | | X | X | | | | | X |
| 41 | X | | | | X | | | X | | | |
| 42 | X | | | X | | | | | X | | |
| 43 | X | | | X | | | | | X | | |
| 44 | X | | | X | | | | | X | | |
| 45 | X | | | X | | | | | X | | |
| 46 | | | | | | | | | | | |
| 47 | X | | | X | | | X | | | | |
| 48 | X | | | X | | | | | X | | |
| 49 | X | | | X | | | | | | | X |
| 50 | X | | | X | | | | | | | X |
| 51 | X | | | X | | | X | | | | |
| 52 | X | | | | X | | X | | | | |
| 53 | X | | | | X | | X | | | | |
| 54 | X | | | | X | | X | | | | |
| 55 | X | | | | X | | X | | | | |
| 56 | X | | | | X | | X | | | | |
| 57 | X | | | | X | | X | | | | |
| 58 | | X | | | X | X | X | | | | |
| 59 | X | | | | X | | X | | | | |
| 60 | X | | | X | | | | | | | X |
| 61 | X | | | X | | | | | | | X |
| 62 | X | | | X | | | X | | | | |
| 63 | X | | | | X | | X | | | | |
| 64 | X | | | X | | | | | | X | |
| 65 | X | | | X | | | X | | | | |
| 66 | X | | | X | | | | | | | X |
| 67 | X | | | | X | X | X | | | | |
| 68 | X | | | | X | | X | | | | |
| 69 | X | | | X | | | X | | | | |
| 70 | X | | | X | | | X | | | | |
| 71 | X | | | | X | | X | | | | |
| 72 | X | | | X | | | | | | | X |
| 73 | X | | | | X | | X | | | | |
| 74 | | | | | | | | | | | |
| 75 | X | | | X | | | | | | | X |
| 76 | X | | | X | | | | | | X | |
| 77 | X | | | X | | | | | | | X |
| 78 | X | | | X | | | | | | | X |
| 79 | X | | | X | | | | | | | X |
| 80 | X | | | | X | | X | | | | |
| 81 | X | | | | X | X | X | | | | |
| 82 | X | | | | X | X | X | | | | |
| 83 | X | | | X | | | X | | | | |
| 84 | X | | | | X | | X | | | | |

| | national | international | global | disciplinary | interdisciplinary | teacher, supervisor | researcher | policy advisor | eXpert witness | industry liaison | other |
|-----|----------|---------------|--------|--------------|-------------------|---------------------|------------|----------------|----------------|------------------|-------|
| 85 | X | | | | X | X | X | | X | X | |
| 86 | X | | | X | | | | | X | | |
| 87 | X | | | X | | | | | X | | |
| 88 | X | | | X | | | | | X | | |
| 89 | X | | | X | | | | | X | | |
| 90 | X | | | X | | | | | X | | |
| 91 | X | | | X | | | | | | | X |
| 92 | X | | | X | | | | | | | X |
| 93 | X | | | X | | | | | X | | |
| 94 | X | | | X | | | | | | | X |
| 95 | X | | | X | | X | X | | | | |
| 96 | X | | | | X | X | X | | | | |
| 97 | X | | | | X | | X | | | | |
| 98 | X | | | | X | X | X | | | | |
| 99 | X | | | | X | X | X | | | | |
| 100 | X | | | X | | | X | | | | |
| 101 | X | | | X | | | X | | | | |
| 102 | X | | | | X | | X | | | | |
| 103 | X | | | | X | | X | | | | |
| 104 | X | | | X | | | | | | | X |
| 105 | X | | | | X | X | X | | X | | X |
| 106 | X | | | | X | X | X | | | | |
| 107 | X | | | | X | X | X | | X | | X |
| 108 | X | | | | X | | X | | | | |
| 109 | X | | | X | | | | | | X | |
| 110 | X | | | | X | | X | | | | |
| 111 | X | | | X | | X | X | | | X | |
| 112 | X | | | | X | X | X | | | X | |
| 113 | X | | | | X | | | | | | X |
| 114 | X | | | X | | | X | | | X | |
| 115 | X | | | X | | | X | | | | |

Chart 8: Why, and by whom, are ethical standards formulated, and how are they implemented and spread?

| S | Origin | | | Agent-author | | Implementation | | | |
|----|---------|---------|------------------|--------------|-------------------------------|--|---|---------------------------|-------------------------------------|
| | scandal | problem | general interest | individual | group (e.g. ethics committee) | mechanism of enforcement (e.g. sanction) | mechanism of communication (e.g. newsletter, website) | mechanisms for monitoring | mechanism for addressing complaints |
| 1 | | X | X | | X | X | X | | X |
| 2 | | | X | | X | | X | | |
| 3 | | | X | | X | | X | | |
| 4 | | X | X | | X | | X | | |
| 5 | | X | X | | X | | | | |
| 6 | | X | X | | X | | | | |
| 7 | | X | X | | X | | | | |
| 8 | | X | | | X | | | | |
| 9 | | X | X | | X | | X | | |
| 10 | | X | X | | X | | | | |
| 11 | | X | X | | X | | | | |
| 12 | | X | X | | X | | | | |
| 13 | | X | X | | X | | | | |
| 14 | | | X | | X | | X | | |
| 15 | X | | | | X | | X | | |
| 16 | | X | | | X | | X | | |
| 17 | | X | X | | X | X | | | |
| 18 | | X | X | | X | X | | X | |
| 19 | | X | X | | X | | | X | |
| 20 | | | X | | X | | X | | |
| 21 | | X | | X | | | | | |
| 22 | | | X | | X | | X | | |
| 23 | | X | | | X | | | | |
| 24 | | | X | | X | | | | |
| 25 | | | X | | X | | X | | |
| 26 | | | X | | X | | X | | |
| 27 | | | X | | X | | | | |
| 28 | | | | | | | | | |
| 29 | | | X | | X | | X | | |
| 30 | | | X | | X | | X | | |
| 31 | | | X | | X | | X | | |
| 32 | | | | | X | | | | |
| 33 | | X | | | X | | | | |
| 34 | | X | | | X | | | | |
| 35 | | X | | | X | | | | |
| 36 | | | X | | X | | X | | |

| | scandal | problem | general interest | individual | group (e.g. ethics committee) | mechanism of enforcement (e.g. sanction) | mechanism of communication (e.g. newsletter, website) | mechanisms for monitoring | mechanism for addressing complaints |
|----|---------|---------|------------------|------------|-------------------------------|--|---|---------------------------|-------------------------------------|
| 37 | | | X | | X | | X | | |
| 38 | | | X | | X | | X | | |
| 39 | | | X | X | | | X | | |
| 40 | | X | | | X | | | | |
| 41 | | | X | | | | X | | |
| 42 | | | X | | X | | X | | |
| 43 | | | X | | X | | | | |
| 44 | | | X | | X | | | | |
| 45 | | | X | | X | | X | | |
| 46 | | | | | | | | | |
| 47 | | | X | | X | | | | |
| 48 | | | X | | X | | X | | |
| 49 | | | X | | X | | X | | |
| 50 | | | X | | X | | | X | |
| 51 | | | X | | X | | | | |
| 52 | | X | | | X | | X | | |
| 53 | | X | | | X | | | | |
| 54 | | X | | | X | | | | |
| 55 | | X | | | X | | | | |
| 56 | | X | | | X | | | | |
| 57 | | | | | X | | | | |
| 58 | | | X | | X | | X | | |
| 59 | | | | | X | | | | |
| 60 | | | | | X | | X | | |
| 61 | | | | | X | | | | |
| 62 | | | | | X | | | | |
| 63 | | | | | X | | | X | |
| 64 | | | X | | X | | X | | |
| 65 | | | X | | X | | | | |
| 66 | | | X | | X | | X | | |
| 67 | | | X | | X | | | X | |
| 68 | | | X | | X | | | X | |
| 69 | | | X | | X | | | X | |
| 70 | | | X | | X | | | X | |
| 71 | | | X | | X | | | | X |
| 72 | | | X | | X | | | | |
| 73 | | | X | | X | | | | X |
| 74 | | | | | | | | | |
| 75 | | | X | | X | | | | X |
| 76 | | | X | | X | | X | | |
| 77 | | | | | | | X | | |

| | scandal | problem | general interest | individual | group (e.g. ethics committee) | mechanism of enforcement (e.g. sanction) | mechanism of communication (e.g. newsletter, website) | mechanisms for monitoring | mechanism for addressing complaints |
|-----|---------|---------|------------------|------------|-------------------------------|--|---|---------------------------|-------------------------------------|
| 78 | | | X | | X | | | | X |
| 79 | | | X | | X | | | X | |
| 80 | | | X | | X | | | X | |
| 81 | | | X | | X | | | X | |
| 82 | | | X | | X | | | X | |
| 83 | | | X | | X | | | X | |
| 84 | | | X | | X | | | | X |
| 85 | | | X | | X | | X | | |
| 86 | | | X | | X | | X | | |
| 87 | | | X | | X | | | | |
| 88 | | | X | | X | | X | | |
| 89 | | | X | | X | | X | | |
| 90 | | | X | | X | | | | |
| 91 | | | X | | X | | | | |
| 92 | | | X | | X | | | | X |
| 93 | | | X | | X | | X | | |
| 94 | | | X | | X | | X | | |
| 95 | | | X | | X | | | | |
| 96 | | | X | | X | | | | |
| 97 | | | X | | X | | | | |
| 98 | | X | | | X | | | X | |
| 99 | | | X | | X | | | | X |
| 100 | | | X | | X | X | | | |
| 101 | | | X | | X | X | | | |
| 102 | | | X | | X | | | X | |
| 103 | | | X | | X | | X | | |
| 104 | | | X | | X | | X | | |
| 105 | | | X | | X | | | | |
| 106 | | | X | | X | | | | |
| 107 | | | X | | X | | X | | |
| 108 | | X | | | X | | | | |
| 109 | | | X | | X | | X | | |
| 110 | | | X | | X | | | X | |
| 111 | | | X | | X | | X | | |
| 112 | | | X | | X | | X | | |
| 113 | | | X | | X | | | | |
| 114 | | | X | | X | | | X | |
| 115 | | | X | | X | | X | | |

List of 115 Standards

1. LIST OF 39 INTERNATIONAL ETHICAL GUIDELINES FOR SCIENCE

*International Council for Science*¹
<http://www.icsu.org>

ICSU

1. Statement on Freedom in the Conduct of Science

Approved by the Executive Board and General Committee of ICSU, Lisbon, October 1989, and revised by the Executive Board, Rabat, October 1994.

Cf. Appendix B in the Handbook of ICSU's Standing Committee on Freedom in the Conduct of Science (SCFCS)

2. Statement of Principles for Use of Animals in Research and Education
18 July 1996

3. Statement on Gene Patenting²
Paris, June 1992

4. ICSU/the Committee on Data for Science and Technology
A Set of Principles for Science in the Internet Era
Prepared by the ICSU/CODATA Ad Hoc Group on Data and Information, April 20, 2000
<http://www.codata.org>

ICSU/CODATA

5. *International Brain Research Organization*
<http://www.ibro.org>

IBRO

Guidelines on the Use of Animals in Research, 1992

6. *International Network of Engineers and Scientists*
INES Appeal to Engineers and Scientists for Global Responsibility
Standing Committee on Ethical Questions, 1995
<http://www.inesglobal.org/ines3.htm>

INES

7. *International Union of Food Science and Technology*
IUFoST Guidelines of Professional Behaviour
<http://www.inforamp.net/~iufost>

IUFoST

8. *The Human Genome Organization*

HUGO

¹ The name of the Council was changed from the International Council of Scientific Unions to the International Council for Science at an Extraordinary General Assembly held in 1998. The acronym, "ICSU", was retained.

² Statements on gene patenting are not listed here as discipline-specific because they involve other disciplines; notably, law. However, they are included in the Alphabetic Listing by Discipline under 'genetics'.

HUGO Statement on Patenting of DNA sequences – in Particular
Response to the European Biotechnology Directive –
April 2000
<http://www.gene.ucl.ac.uk/hugo/>

United Nations Educational, Scientific and Cultural Organization UNESCO
<http://www.unesco.org>

9. Universal Declaration on the Human Genome and Human Rights
Dec 3, 1997
Adopted on 12 November 1997 by the General Conference of UNESCO at its 29th session
10. Déclaration Universelle des Droits de l'Animal
Proclamée à Paris le 15 octobre.
Révisée par la Ligue internationale des droits de l'animal en 1989;
deux annexes, l'une sur l'esprit, l'autre sur les bases biologiques,
accompagnent la Déclaration.
11. Déclaration sur l'Éthique Alimentaire
Texte rédigé en 1981 par la Fondation mondiale pour la qualité de
la vie (Genève), l'Institut international de biologie humaine (Paris)
et la Ligue internationale des droits de l'animal (Genève). Il a été
soumis à l'Organisation des Nations Unies pour l'alimentation et
l'agriculture (FAO) ainsi qu'à l'Organisation mondiale de la santé
(OMS).
12. Declaration on the Responsibilities of the Present Generation
Towards Future Generations
Adopted on 12 November 1997 by the General Conference of
UNESCO at its 29th session
13. Declaration on Science and the Use of Scientific Knowledge
Text adopted by the World Conference on Science 1 July 1999.
Definitive version.
Cf. the Recommendation on the Status of scientific researchers
adopted by the General Conference at its eighteenth session Paris,
20 November 1974.
14. *World Medical Association* WMA
The Declaration of Helsinki: Recommendations Guiding Medical
Doctors in Biomedical Research Involving Human Subjects.

Adopted by the 18th World Medical Assembly, Helsinki, Finland,
June 1964, amended by the 29th World Medical Assembly,
Tokyo, Japan, October 1975, the 35th World Medical Assembly,
Venice, Italy, October 1983, the 41st World Medical Assembly,
Hong Kong, September 1989, the 48th General Assembly,

Somerset West, Republic of South Africa, October 1996, and the 52nd General Assembly, Edinburgh, Scotland, October 2000.

<http://www.health.gov.au/nhmrc/ethics/helsinki.htm>

15. The Nuremberg Code
From the Nuremberg Military Tribunals (1949, 181-82)

16. *World Health Organization/The World Conservation Union/
World Wide Fund For Nature* WHO/IUCN/WWF
The Chiang Mai Declaration: Saving Lives by Saving Plants
March 1988
<http://users.ox.ac.uk/~wgtrr/chiang.htm>

17. The Manila Declaration Concerning The Ethical Utilisation of
Asian Biological Resources
Developed at the 7th Asian Symposium on Medicinal Plants,
Spices, and Other Natural Products held in Manila, Feb 1992.
<http://users.ox.ac.uk/~wgtrr/assomps.htm>

Council of Europe COE
<http://www.coe.int>

18. European Treaties ETS No. 164
Convention pour la protection des droits de l'homme et de la
dignité de l'être humain à légard des applications de la biologie et
de la médecine: Convention sur les droits de l'homme et la
biomédecine
Oviedo, 04.IV.1997
<http://www.coe.fr/fr/txtjur/164fr.htm>

19. Rapport explicatif relatif à la Convention européenne sur la
protection des animaux vertébrés utilisés à des fins expérimentales
ou à d'autres fins scientifiques
Convention ouverte à la signature le 18 mars 1986.

20. *The European Association for BioIndustries* EuropaBio
<http://www.europa-bio.be>
EuropaBio's Statement of Core Ethical Values
September, 1998

Pugwash
<http://www.igc.org/pugwash/>

21. The Russell-Einstein Manifesto
Issued in London, July 9 1955

22. Student Pugwash Pledge
Developed in 1995 as a response to the Nobel Peace Prize and as
an acknowledgement to Prof. Rotblat's commitment to young
people.

23. The Guadalajara Declaration
Adopted in the city of Guadalajara, State of Jalisco, on July 15th, 1998, within the framework of the first edition of the International Summer University "Science and Life"
24. The Toronto Resolution (TTR)
April 2, 1992
<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Toronto.Recommendation.html>
- Institute for Social Inventions* ISI
25. The Hippocratic Oath for Scientists
26. The Hippocratic Oath for Scientists, Engineers and Technologists
<http://www.globalideasbank.org/isi.html>
27. *The InterAction Council* IAC
A Universal Declaration of Human Responsibilities
Proposed by the IAC September 1, 1997
<http://www.asiawide.or.jp/iac/UDHR/EngDecl1.htm>
28. First Code of Ethics (Members' Obligations to Indigenous Peoples)
World Archaeological Congress, Barquisimeto, Venezuela, 1990.
29. *European Informatics Skill Structure* EISS-CEPIS
Code of Professional Conduct
Oct 5, 1994 (?)
<http://courses.cs.vt.edu/~cs3604/lib/World Codes/CEPIS.Code.html>
30. *South East Asia Regional Computer Federation* SEARCC
Code of Ethics
June 19, 1993
<http://courses.cs.vt.edu/~cs3604/lib/World Codes/SEARCC.Code.html>
31. *International Federation for Information Processing* IFIP
Recommendations Regarding Codes of Conduct for Computer Societies, by the IFIP Ethics Task Group
Last updated Aug 11, 1995
<http://courses.cs.vt.edu/~cs3604/lib/World Codes/IFIP.Recommendation.html>
32. *European Physics Society* EPS
Code of Conduct
1998
<http://www.nikhef.nl/~ed/conduct.html>
33. *International Physicians for the Prevention of Nuclear War* IPPNW
Declaration of Paris
July 2, 2000
<http://www.ippnw.org/DecParis.html>

International Union of Geodesy and Geophysics
<http://www.obs-mip.fr/uggi>

IUGG

34. Code of Practice for Earthquake Prediction
12-13 Aug 1983

*International Association of Volcanology
and Chemistry of the Earth's Interior*

IAVCEI

35. Statement of Professional Conduct of Scientists during Volcanic
Crises, 4 Oct 1998

36. *International Academy of Compounding Pharmacists*
Code of Ethics

IACP

<http://www.iacprx.org>

37. *International Sociological Association*

ISA

ISA Code of Ethics

(Draft presented at the ISA Executive Committee meeting in
Courmayeur, May 2000, and not yet approved)

38. *The World Federation of Engineering Organizations*
Code of Ethics

WFEO

(Draft of November, 2000)

<http://www.unesco.org/fmoj>

39. An Engineer's Hippocratic Oath

<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Hippocr.Oath.html>

2. LIST OF 76 NATIONAL ETHICAL GUIDELINES FOR SCIENCE

AFRICA (4)³

South Africa (3):

40. Code of Conduct for Persons in Position of Responsibility
From the "Moral Summit" held by President Nelson Mandela and
representatives of all major political parties and religious leaders
Oct 22, 1998.

http://www.transparency.de/documents/source-book/c/co_conduct.html

41. Proposed Charter for a South African National Ethics Advisory
Committee on Science and Technology (SANEACST) (*Draft only*)

³ Numbers in brackets show numbers of standards listed from each continent/country. In some cases, the codes are exhaustive of what we have been able to find, e.g., in Africa. In other cases the number of codes far exceed the numbers collected here, e.g. in the Philippines or the United States. We have been selective, trying to achieve a reasonable geographic balance and spread.

Computer Society of South Africa CSSA
42. Code of Conduct, edited Oct 4, 1994.
<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/RSA.Code.html>

Zimbabwe (1):

The Computer Society of Zimbabwe
43. Code of Professional Conduct for Registered Consultants CSZ
<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Zimbabwe.Code.html>

AMERICA (NORTH) (23)

Canada (7):

Canadian Psychological Association CPA
44. Canadian Code of Ethics for Psychologists
<http://www.cpa.ca>

Canadian Association of Physicist CAP
45. Code of Ethics
Adopted by the CAP Council (per Trademark Committee)
1999 October 16

National Research Council Canada NRC-CNRC
46. Principles to ensure the integrity of NRC research, in:
NRC (1996) Human Resources Manual, Chapter 11.8.2.

Alberta Society of Professional Biologists ASPB
47. Code of Ethics, Aug 22, 1996 (?)
<http://www.ccinet.ab.ca/asbp/ethics.htm>
<http://www.csep.iit.edu/codes/coe>

Canadian Consulting Agrologists Association CCAA
48. Code of Ethics
<http://www.consultingagrologists.com/ethics.htm>

Agricultural Institute of Canada AIC
49. Code of Ethics
50. Code of Practice. A Guideline To The Ethical Responsibilities of
Agrologists
<http://www.aic.ca/progs/codeethics.html>

USA (16):

The American Anthropological Association AAA
<http://www.aaanet.org>
51. Code of Ethics, June 1998

The American Association for the Advancement of Science AAAS
<http://www.aaas.org>

52. Resolution on the Theory of Creation in Science Curricula. Dec 30 1972
53. Forced Teaching of Creationist Beliefs in Public School Science Education. Jan 1981
54. Protection of Human Subjects of Research. Jan 1981
55. Human Rights and Scientific Freedom. Jan 1981
56. National Security and Secrecy. Jan 1981
57. Policy and Procedures for Responding to Allegations of Misconduct in Scientific Research and Publication. Feb 28, 1990

The American National Academy of Science NAS
<http://www.nationalacademies.org/>

58. On Being a Scientist: Responsible Conduct in Research.
 Second edition published in 1995 by the National Academy Press.

59. The Humboldt Pledge
 Drafted in 1987 at the Humboldt State University
<http://www.bioethics.uu.se/codex/texts/humboldt.html>

The Institute of Electrical and Electronics Engineers IEEE
 60. Code of Ethics, Aug 1990

The American Society of Mechanical Engineers ASME
 61. Code of Ethics, June 1914
<http://www.csep.iit.edu/codes/coe>

American Academy of Microbiology AAM
 62. Code of Ethics, Dec 7, 1970
 (revised Jan 18, 1973)
<http://www.csep.iit.edu/codes/coe>

Institute of Medicine IOM
 63. Responsible Conduct of Research in the Health Sciences
 1989

Society of Toxicology SOT
 64. Code of Ethics
 65. Animals in Research Public Policy Statement

Society for Professional Archaeologists SOPA
 66. Code of Ethics 1991
 (See *Guide to SOPA*, pp. 7-11)

AMERICA (SOUTH) (1)

Cuba (1):
Academia de Ciencias de Cuba ACC
<http://www.cuba.cu/ciencia/acc/>

67. Codigo sobre la etica profesional de los trabajadores de la ciencia

ASIA (10)

China (7):

National learned societies affiliated to the China Association for Science and Technology

CAST

68. An Agreement on Scientific and Technological Periodicals Reached by National Learned Societies

Chinese Academy of Engineering

CAE

69. Code of Conduct of Academicians of the Chinese Academy of Engineering

Set out on April 17, 1998 by the Scientific Moral Construction Committee of the Chinese Academy of Engineering and passed on April 28, 1998, at the Presidium Conference of the Chinese Academy of Engineering.

Cf. 'Some opinions on the Code of Conduct for Scientific and Technological Personnel' issued jointly by the Ministry of Science and Technology, the Ministry of Education, Chinese Academy of Sciences (CAS), Chinese Academy of Engineering (CAE), and the China Association for Science and Technology (CAST).

70. Norms of Scientific Morals and Conducts for the Academicians of the Chinese Academy of Engineering

Drafted on April 17, 1998 by the Scientific Morals Construction Committee of the Chinese Academy of Engineering, and passed on April 28, 1998 by the Presidium of the General Assembly of the Chinese Academy of Engineering.

71. Regulations Concerning Procedures and Methods for Handling Letters of Complaint Involving Problems of Scientific Morals of Academicians

Discussed and drafted on August 14, 1998 at the first session of the Second Scientific Morals Construction Committee of the Chinese Academy of Engineering, and examined and passed on November 10, 1998 by the Presidium of the General Assembly of the Academy.

China Psychology Society

CPS

72. Moral Principles for Psychological Testers
December 1992

China Taiwan Science Committee

CTSC

73. Principles for Handling Violations of Academic Ethics of China Taiwan Science Committee

Adopted and brought into effect on November 25, 1999 by the 384th Executive Council of the Science Committee. Revised and brought into effect on April 20, 2000 by the 388th Executive Council of the Science Committee

National Taiwan University

NTWU

74. Code of Ethics, 1998

India (1):

Computer Society of India

CSI

75. Code of Ethics, May 8, 1993

<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/India.Code.html>

Japan (1):

Japan Information Service Industry Association

JISA

76. Code of Ethics and Professional Conduct

Engl. transl. 1993

<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Japan.Code.html>

Singapore (1):

Singapore Computer Society

SCS

77. Professional Code of Conduct

<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Singapore.Code.html>

AUSTRALASIA (18)**Australia (7):**

National Health and Medical Research Council

NHMRC

<http://www.nhmrc.health.gov.au>

78. Guidelines for genetic registers and associated genetic material

79. Guidelines for ethical review of research proposals for human somatic cell gene therapy and related therapies

Further reading: Ethical aspects of Human Genetic testing: An information paper

<http://www.health.gov.au/nhmrc/ethics/contents.htm>

80. Guidelines for Research Involving Humans

The National Statement on Ethical Conduct in Research Involving Humans

<http://www.nhmrc.health.gov.au/publicat/e-home.htm>

81. Joint NHMRC/AVCC statement and guidelines on research practice

<http://www.health.gov.au/nhmrc/ethics/contents.htm>

Note: This "Joint Statement and Guidelines" replaces the "NH&MRC Statement on Scientific Practice" (1990) and the AVCC 'Guidelines for Responsible Practice in Research and Problems of Research Misconduct' (1990). The Statement and Guidelines exist to guide institutions in developing their own procedures and guidelines, by providing a comprehensive framework of minimum acceptable standards.

82. Australian Code of Practice for the care and use of Animals for Scientific Purposes

<http://www.nhmrc.health.gov.au/publicat/ea-home.htm>

Australian Academy of Science

AAS

<http://www.science.org.au>

83. On Human Cloning, a Position Statement, 4 Feb 1999
<http://www.science.org.au/academy/media/clone.pdf>

84. Statement on Scientific Fraud
September 1989 (revised)

New Zealand (1):

The Royal Society of New Zealand RSNZ

85. Code of Professional Standards and Ethics
http://www.rsnz.govt.nz/directory/code_ethics.php

Philippines (10):

The Philippine Association for the Advancement of Science PAAS

Board of Geology

86. Code of Ethics

Board of Chemistry

87. Code of Ethics

Board of Chemical Engineering

88. Code of Ethics

Board of Electrical Engineering

89. Code of Ethics

Board of Civil Engineering

90. Code of Ethics

Board of Radiologic Technology

91. Code of Ethics

Board of Medical Technology

92. Code of Ethics

Board of Medicine

93. Code of Ethics

Board of Pharmacy

94. Code of Ethics

University of Santo Tomas UST

95. Code of Ethics for Researchers

EUROPE (20)

The Czech Republic (1):

The Academy of Sciences of the Czech Republic ASCR

96. Science Policy of the Academy of Sciences of the Czech Republic
14 December 1999

<http://www.Cas.cz/en/Documents/scpolicy.html>

France (1):

97. Charte pour une éthique de l'expérimentation animale. Projet élaboré sous l'égide du ministère de la recherche et qui devrait dans sa version définitive être approuvé notamment par l'INRA (Institut National de la Recherche Agronomique), l'INSERM (Institut National de la Santé et de la Recherche Médicale), le CEA (Commissariat à l'Énergie Atomique) et le CNRS (Centre National de la Recherche Scientifique)

Germany (4):

98. *Deutsche Forschungsgemeinschaft* DFG
Proposals for Safeguarding Good Scientific Practice
http://www.dfg.de/english/press/spec_inform.html#praxis

99. *Universität Ulm*
Satzung der Universität Ulm zur Sicherung guter wissenschaftlicher Praxis 1. September 1999

100. *Deutsche Physikalische Gesellschaft* DPG
Verhaltenskodex für Mitglieder
<http://www.dpg-physik.de/dpg/statuten/kodexco.htm>

101. *GDCh - Gesellschaft Deutscher Chemiker* GDCh
GDCh Code for Conduct
<http://www.gdch.de>
Related document: Appeal to GDCH members, a resolution against discrimination, racism and xenophobia, Sep 18, 2000

Further reading: Prof. Dr. H. J. Quadbeck-Seeger:
'Der Verhaltenskodex der GDCh'

Greece (1):

Academy of Athens AA
102. Pledge for Scientists

Italy (2):

The Italian Scientific Antivivisection Committee
103. Manifesto for the protection of our genetic heritage
<http://www.antivivisezione.it/manifestoengl.html>

Associazione Italiana per l'Informatica ed il Calcolo Automatico AICA
104. Professional Code of Conduct for AICA Members
Engl. Transl. Nov 1993.

Latvia (1):

The Latvian Academy of Sciences & The Latvian Council of Science LAS/LCS
105. Scientist's Code of Ethics, May 5 1998

Norway (1):

Den nasjonale forskningsetiske komité for samfunnsvitenskap og humaniora NESH
106. Forskningsetiske retningslinjer for samfunnsvitenskap, jus og humaniora, 15 Feb, 1999

Poland (1):

The Polish Academy of Sciences

PAS

107. Good Manners in Science, Collection of Rules and Guidelines
Warsaw, 1995

Sweden (2):

108. Uppsala Code of Ethics

Code of Ethics For Scientists that was formulated in 1984 by a group of scientists. For a thorough background, cf. Bengt Gustafsson, Lars Rydén, Gunnar Tibell, and Peter Wallensten: "Focus on: The Uppsala Code of Ethics for Scientists" *Journal of Peace Research*, Vol. 21, No 4, 1984.

109. Swedish Ethical Rules for Computer Professionals

From: Dahlbom, B., and Matthiassen, L.: A Scandinavian View on the ACM's Code of Ethics.

<http://courses.cs.vt.edu/~cs3604/lib/WorldCodes/Swedish.Code.html>

Switzerland (4):

Swiss Academy of Medical Sciences & Swiss Academy of Sciences

SAMS/SAS

<http://www.samw.ch> <http://www.sanw.unibe.ch>

110. Ethical Principles and Guidelines for Scientific Experimentation on Animals

Supplement: Statement on the Concept of Animal Dignity

The Swiss Academy of Engineering Sciences

SATW

"Ethics and Technology" Commission

<http://www.satw.ch>

111. Ethics for Engineers/Technical Scientists
(SATW Guideline)

L'école polytechnique fédéral de Lausanne

EPFL

<http://www.epfl.ch>

112. Charte éthique de EPFL

113. Serment d'Archimède

United Kingdom (2):

The Royal Institute of Chemistry

RIC

114. Professional Conduct, Guidance for Chemists, Feb 1975

<http://www.csep.iit.edu/codes/coe>

Institute of Physics

IOP

115. Bylaw: Code of Conduct and Rules of Conduct

<http://www.iop.org/IOP/Member/conduct.html>