## Annex 3.

Results the flow between the processes (Figure 3), within three different scenarios (Table 4).

| Source   | Target   | Product                                 | Unit   |            | Amount     |            |  |
|--|--|---|--------|------------|------------|------------|--|
|  |  |   |        | Reference  | Scenario 1 | Scenario 2 |  |
| Conventional forest                                  | Final felling<br>with harvester  | Conifers for final felling              | m3     | 1624064,2  | 1543026,3  | 1543026,3  |  |
| management<br>in Kronoberg                           | (CTL)  |   |        |            |            |            |  |
| Conventional<br>forest<br>management<br>in Kronoberg | Final felling<br>with harvester<br>(CTL)                                 | Deciduous<br>trees for<br>final felling | m3     | 64365,7    | 61154,0    | 61154,0    |  |
| Chipping of<br>residues at<br>roadside               | Transport of<br>dried chips<br>from roadside<br>to CHP plant             | Dried chips<br>at roadside              | tonnes | 59933,7    | 180319,9   | 223716,5   |  |
| Thinning<br>with<br>harvester<br>(CTL)               | Extraction of<br>deciduous<br>residues with<br>forwarder to<br>roadside  | Deciduous<br>residues in<br>forest      | m3     | 0,0        | 0,0        | 98032,9    |  |
| Final felling<br>with<br>harvester<br>(CTL)          | Extraction of<br>deciduous<br>residues with<br>forwarder to<br>roadside  | Deciduous<br>residues in<br>forest      | m3     | 0,0        | 0,0        | 10458,7    |  |
| Thinning<br>with<br>harvester<br>(CTL)               | Extraction of<br>coniferous<br>residues with<br>forwarder to<br>roadside | Coniferous<br>residues in<br>forest     | m3     | 83786,4    | 252084,6   | 252084,6   |  |
| Final felling<br>with<br>harvester<br>(CTL)          | Extraction of<br>coniferous<br>residues with<br>forwarder to<br>roadside | Coniferous<br>residues in<br>forest     | m3     | 66047,8    | 198715,1   | 198715,1   |  |
| Conventional<br>forest<br>management<br>in Kronoberg | Remaining<br>forest after<br>management                                  | Trees in<br>protected<br>forests        | m3     | 12795460,0 | 12156990,0 | 12156990,0 |  |
| Conventional<br>forest<br>management<br>in Kronoberg | Remaining<br>forest after<br>management                                  | Remaining<br>deciduous<br>trees         | m3     | 11329912,3 | 10764570,4 | 10764570,4 |  |
| Conventional<br>forest<br>management<br>in Kronoberg | Remaining<br>forest after<br>management                                  | Remaining<br>conifers                   | m3     | 72391350,1 | 68779154,4 | 68779154,4 |  |

Annex 3 (Cont.).

| Source              | Target                      | Product      | Unit   | Amount    |            |            |
|---------------------|-----------------------------|--------------|--------|-----------|------------|------------|
|                     |                             |              |        | Reference | Scenario 1 | Scenario 2 |
| Leaving             | Remaining                   | Coniferous   | m3     | 474475,2  | 142357,8   | 142357,8   |
| coniferous          | forest after                | residues in  |        |           |            |            |
| residues in         | management                  | forest       |        |           |            |            |
| the forest          | <b>_</b>                    |              |        | 450240.0  | 4 40750 4  | 24262 5    |
| Leaving             | Remaining                   | Deciduous    | m3     | 150249,2  | 142752,1   | 34260,5    |
| deciduous           | forest after                | residues in  |        |           |            |            |
| residues in         | management                  | forest       |        |           |            |            |
| the forest          | Devestining                 | A            |        | 4.0       | 4.0        | 4.0        |
| Forest              | Remaining                   | Annual       | m3     | 4,0       | 4,0        | 4,0        |
| growth in           | forest after                | increment in |        |           |            |            |
| Kronoberg           | management<br>Combustion at | Kronoberg    | tonnoc | F0022 7   | 190210.0   | 222716 5   |
| Transport of        |                             | Chips at     | tonnes | 59933,7   | 180319,9   | 223716,5   |
| dried chips<br>from | CHP plant                   | plant        |        |           |            |            |
| roadside to         |                             |              |        |           |            |            |
| CHP plant           |                             |              |        |           |            |            |
| Conventional        | Thinning with               | Conifers for | m3     | 1215428,7 | 1154781,0  | 1154781,0  |
| forest              | harvester                   | thinning     | mo     | 1210420,7 | 1134701,0  | 1104701,0  |
| management          | (CTL)                       | timing       |        |           |            |            |
| in Kronoberg        | (012)                       |              |        |           |            |            |
| Conventional        | Thinning with               | Deciduous    | m3     | 372235,3  | 353661,5   | 353661,5   |
| forest              | harvester                   | trees for    |        | 07 ==00,0 | ,.         | 00000_,0   |
| management          | (CTL)                       | thinning     |        |           |            |            |
| in Kronoberg        | ()                          |              |        |           |            |            |
| Drying of           | Chipping of                 | Dried        | tonnes | 59933,7   | 180319,9   | 223716,5   |
| residues at         | residues at                 | residues at  |        | ŗ         |            |            |
| roadside all        | roadside                    | roadside     |        |           |            |            |
| tree species        |                             |              |        |           |            |            |
| Final felling       | Extraction of               | Large        | m3     | 975287,2  | 926622,2   | 926622,2   |
| with                | harvested                   | dimensioned  |        |           |            |            |
| harvester           | large-                      | coniferous   |        |           |            |            |
| (CTL)               | dimensioned                 | timber in    |        |           |            |            |
|                     | timber to                   | forest       |        |           |            |            |
|                     | roadside                    |              |        |           |            |            |
| Final felling       | Extraction of               | Large        | m3     | 37991,3   | 36095,6    | 36095,6    |
| with                | harvested                   | dimensioned  |        |           |            |            |
| harvester           | large-                      | deciduous    |        |           |            |            |
| (CTL)               | dimensioned                 | timber in    |        |           |            |            |
|                     | timber to                   | forest       |        |           |            |            |
|                     | roadside                    |              |        |           |            |            |
| Extraction of       | Drying of                   | Conifer      | m3     | 149834,3  | 450799,7   | 450799,7   |
| coniferous          | residues at                 | residues at  |        |           |            |            |
| residues            | roadside all                | roadside     |        |           |            |            |
| with                | tree species                |              |        |           |            |            |
| forwarder to        |                             |              |        |           |            |            |
| roadside            |                             |              |        |           |            |            |

Annex 3 (Cont.).

| Source                 | Target                | Product                  | Unit | Amount      |            |            |
|------------------------|-----------------------|--------------------------|------|-------------|------------|------------|
|                        |                       |                          |      | Reference   | Scenario 1 | Scenario 2 |
| Extraction of          | Drying of             | Deciduous                | m3   | 0,0         | 0,0        | 108491,6   |
| deciduous              | residues at           | residues at              |      |             |            |            |
| residues               | roadside all          | roadside                 |      |             |            |            |
| with                   | tree species          |                          |      |             |            |            |
| forwarder to           |                       |                          |      |             |            |            |
| roadside               |                       |                          |      | 265222.7    | 70005 7    | 70005 7    |
| Thinning               | Leaving               | Coniferous               | m3   | 265323,7    | 79605,7    | 79605,7    |
| with                   | coniferous            | residues in              |      |             |            |            |
| harvester              | residues in the       | forest                   |      |             |            |            |
| (CTL)<br>Final falling | forest                | Coniferous               | m3   | 200151 4    | 67757 7    | 67757 7    |
| Final felling<br>with  | Leaving<br>coniferous | residues in              | 1115 | 209151,4    | 62752,2    | 62752,2    |
| harvester              | residues in the       | forest                   |      |             |            |            |
| (CTL)                  | forest                | 101 231                  |      |             |            |            |
| Thinning               | Extraction of         | Small                    | m3   | 910733,3    | 865289,3   | 865289,3   |
| with                   | harvested             | dimensioned              |      | 510755,5    | 005205,5   | 005205,5   |
| harvester              | small-                | coniferous               |      |             |            |            |
| (CTL)                  | dimensioned           | timber in                |      |             |            |            |
| (012)                  | timber to             | forest                   |      |             |            |            |
|                        | roadside              |                          |      |             |            |            |
| Thinning               | Extraction of         | Small                    | m3   | 279796,9    | 265835,5   | 265835,5   |
| with                   | harvested             | dimensioned              |      | ,           | ,          |            |
| harvester              | small-                | deciduous                |      |             |            |            |
| (CTL)                  | dimensioned           | timber in                |      |             |            |            |
|                        | timber to             | forest                   |      |             |            |            |
|                        | roadside              |                          |      |             |            |            |
| Final felling          | Extraction of         | Small                    | m3   | 406369,7    | 386092,6   | 386092,6   |
| with                   | harvested             | dimensioned              |      |             |            |            |
| harvester              | small-                | coniferous               |      |             |            |            |
| (CTL)                  | dimensioned           | timber in                |      |             |            |            |
|                        | timber to             | forest                   |      |             |            |            |
|                        | roadside              |                          |      |             |            |            |
| Final felling          | Extraction of         | Small                    | m3   | 15829,7     | 15039,8    | 15039,8    |
| with                   | harvested             | dimensioned              |      |             |            |            |
| harvester              | small-                | deciduous                |      |             |            |            |
| (CTL)                  | dimensioned           | timber in                |      |             |            |            |
|                        | timber to             | forest                   |      |             |            |            |
| <b>-</b> 1. • •        | roadside              | Dest                     |      |             | 400000     |            |
| Thinning               | Leaving               | Deciduous                | m3   | 135765,1    | 128990,6   | 30957,8    |
| with                   | deciduous             | residues in              |      |             |            |            |
| harvester              | residues in the       | forest                   |      |             |            |            |
| (CTL)                  | forest                | Desidere                 |      | 4 4 4 0 4 0 | 40764 4    | 2202 -     |
| Final felling          | Leaving               | Deciduous<br>residues in | m3   | 14484,2     | 13761,4    | 3302,7     |
| with                   | deciduous             | residues in              |      |             |            |            |
| harvester              | residues in the       | forest                   |      |             |            |            |
| (CTL)                  | forest                |                          |      |             |            |            |