

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | GROSOR | VEGET | ACUENCA | LONG | AFS | LFS |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|--------|-------|---------|-------|-------|-------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | .165 | 1.000 | | | | | | | | | | | | | | |
| PENDS | .171 | .979 | 1.000 | | | | | | | | | | | | | |
| ORIENT | .044 | -.105 | -.075 | 1.000 | | | | | | | | | | | | |
| CURVAR | .098 | .114 | .121 | -.020 | 1.000 | | | | | | | | | | | |
| PERFIL | -.061 | -.111 | -.115 | -.026 | -.811 | 1.000 | | | | | | | | | | |
| PLA | .100 | .083 | .089 | -.055 | .862 | -.402 | 1.000 | | | | | | | | | |
| RUGOS | .098 | .216 | .250 | -.184 | .192 | -.180 | .144 | 1.000 | | | | | | | | |
| INSOL | -.089 | -.699 | -.627 | .595 | .036 | -.077 | -.010 | -.078 | 1.000 | | | | | | | |
| PENDM | .070 | .438 | .412 | -.036 | -.408 | .259 | -.414 | .215 | -.394 | 1.000 | | | | | | |
| GROSOR | -.535 | .044 | .045 | .140 | -.042 | -.020 | -.083 | -.081 | .058 | .072 | 1.000 | | | | | |
| VEGET | -.101 | .006 | -.021 | -.264 | .050 | .030 | .104 | -.049 | -.192 | -.004 | .131 | 1.000 | | | | |
| ACUENCA | -.139 | -.086 | -.112 | .083 | -.585 | .377 | -.588 | -.072 | -.033 | .700 | .147 | -.026 | 1.000 | | | |
| LONG | -.122 | -.042 | -.067 | .080 | -.545 | .355 | -.546 | -.006 | -.062 | .731 | .142 | -.030 | .986 | 1.000 | | |
| AFS | -.248 | -.009 | -.040 | -.015 | -.429 | .242 | -.462 | -.028 | -.097 | .601 | .351 | .162 | .815 | .815 | 1.000 | |
| LFS | -.237 | .020 | -.013 | -.027 | -.403 | .230 | -.431 | .019 | -.124 | .616 | .339 | .163 | .801 | .821 | .991 | 1.000 |

Tabla 3.6: Matriz de coeficientes de correlación entre pares de variables de la Población de Lille.

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | VEGET | FMS | ACUENCA | LONG | AFS | LFS |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | -.020 | 1.000 | | | | | | | | | | | | | | |
| PENDS | .027 | .939 | 1.000 | | | | | | | | | | | | | |
| ORIENT | -.007 | .233 | .227 | 1.000 | | | | | | | | | | | | |
| CURVAR | .073 | -.118 | -.093 | -.031 | 1.000 | | | | | | | | | | | |
| PERFIL | -.048 | .162 | .119 | .029 | -.874 | 1.000 | | | | | | | | | | |
| PLA | .080 | -.029 | -.032 | -.022 | .824 | -.446 | 1.000 | | | | | | | | | |
| RUGOS | -.025 | -.109 | -.125 | .010 | .139 | -.046 | .203 | 1.000 | | | | | | | | |
| INSOL | .114 | -.750 | -.672 | .165 | .142 | -.149 | .088 | .151 | 1.000 | | | | | | | |
| PENDM | .008 | .704 | .659 | .213 | -.389 | .378 | -.278 | .027 | -.557 | 1.000 | | | | | | |
| VEGET | .080 | .054 | .052 | -.322 | -.030 | .047 | .000 | .080 | -.169 | .098 | 1.000 | | | | | |
| FMS | -.030 | .185 | .189 | .120 | -.136 | .138 | -.089 | .163 | -.095 | .257 | .518 | 1.000 | | | | |
| ACUENCA | .007 | .109 | .136 | .004 | -.491 | .289 | -.568 | .114 | -.105 | .556 | .156 | .171 | 1.000 | | | |
| LONG | -.009 | .179 | .204 | .016 | -.450 | .267 | -.519 | .145 | -.157 | .614 | .171 | .185 | .983 | 1.000 | | |
| AFS | -.009 | .106 | .186 | .067 | -.364 | .201 | -.437 | .140 | -.112 | .475 | .306 | .571 | .755 | .761 | 1.000 | |
| LFS | -.028 | .141 | .222 | .066 | -.324 | .172 | -.397 | .157 | -.143 | .498 | .310 | .554 | .746 | .776 | .988 | 1.000 |

Tabla 3.14 : Matriz de coeficientes de correlación entre pares de variables del área de Vallcebre.

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | ACUENCA | LONG | AFS | LFS | VEGET | GROSOR |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|---------|-------|-------|-------|-------|--------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | -.122 | 1.000 | | | | | | | | | | | | | | |
| PENDS | -.116 | .986 | 1.000 | | | | | | | | | | | | | |
| ORIENT | -.110 | .043 | .045 | 1.000 | | | | | | | | | | | | |
| CURVAR | .123 | -.021 | -.047 | .065 | 1.000 | | | | | | | | | | | |
| PERFIL | -.097 | .080 | .100 | -.022 | -.893 | 1.000 | | | | | | | | | | |
| PLA | .122 | .043 | .016 | .095 | .892 | -.594 | 1.000 | | | | | | | | | |
| RUGOS | .088 | .105 | .092 | .110 | .107 | .028 | .218 | 1.000 | | | | | | | | |
| INSOL | -.061 | -.701 | -.654 | .137 | .074 | -.105 | .027 | .006 | 1.000 | | | | | | | |
| PENDM | -.197 | .543 | .528 | .023 | -.443 | .387 | -.405 | .086 | -.486 | 1.000 | | | | | | |
| ACUENCA | -.180 | .088 | .103 | .026 | -.588 | .381 | -.670 | -.037 | -.117 | .698 | 1.000 | | | | | |
| LONG | -.163 | .103 | .118 | .023 | -.576 | .370 | -.660 | -.028 | -.124 | .695 | .993 | 1.000 | | | | |
| AFS | -.180 | .088 | .103 | .027 | -.588 | .382 | -.670 | -.037 | -.117 | .698 | 1.000 | .993 | 1.000 | | | |
| LFS | -.164 | .103 | .118 | .024 | -.577 | .370 | -.660 | -.029 | -.124 | .695 | .993 | 1.000 | .993 | 1.000 | | |
| VEGET | -.197 | .340 | .334 | .141 | .069 | -.095 | .028 | -.116 | -.210 | .235 | .083 | .082 | .083 | .082 | 1.000 | |
| GROSOR | .152 | -.228 | -.197 | -.090 | -.156 | .155 | -.124 | .016 | .116 | -.085 | .075 | .069 | .075 | .069 | -.076 | 1.000 |

Tabla 3.23 : Matriz de coeficientes de correlación entre pares de variables del Bajo Deba. Obsérvese que las variables ACUENCA y AFS y a su vez LFS y LONG son las mismas.

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | GROSOR | VEGET | ACUENCA | LONG | AFS | LFS |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|--------|-------|---------|-------|-------|-------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | .265 | 1.000 | | | | | | | | | | | | | | |
| PENDS | .259 | .980 | 1.000 | | | | | | | | | | | | | |
| ORIENT | .059 | -.106 | -.077 | 1.000 | | | | | | | | | | | | |
| CURVAR | .172 | .071 | .086 | -.024 | 1.000 | | | | | | | | | | | |
| PERFIL | -.103 | -.074 | -.093 | -.011 | -.805 | 1.000 | | | | | | | | | | |
| PLA | .179 | .048 | .056 | -.047 | .873 | -.414 | 1.000 | | | | | | | | | |
| RUGOS | .084 | .224 | .249 | -.105 | .158 | -.196 | .082 | 1.000 | | | | | | | | |
| INSOL | -.172 | -.705 | -.634 | .591 | .075 | -.110 | .024 | -.058 | 1.000 | | | | | | | |
| PENDM | .080 | .465 | .433 | -.058 | -.433 | .279 | -.436 | .223 | -.434 | 1.000 | | | | | | |
| GROSOR | -.382 | -.058 | -.032 | .120 | -.140 | .090 | -.141 | -.004 | .134 | .007 | 1.000 | | | | | |
| VEGET | -.072 | -.066 | -.080 | -.288 | -.011 | .085 | .052 | -.082 | -.167 | .002 | .113 | 1.000 | | | | |
| ACUENCA | -.195 | -.086 | -.111 | .042 | -.603 | .405 | -.593 | -.057 | -.056 | .681 | .144 | .040 | 1.000 | | | |
| LONG | -.172 | -.041 | -.064 | .042 | -.567 | .377 | -.561 | .003 | -.082 | .711 | .135 | .035 | .988 | 1.000 | | |
| AFS | -.202 | -.060 | -.075 | -.023 | -.512 | .305 | -.535 | -.040 | -.070 | .622 | .208 | .160 | .899 | .898 | 1.000 | |
| LFS | -.188 | -.025 | -.040 | -.031 | -.483 | .287 | -.506 | .008 | -.098 | .638 | .194 | .157 | .884 | .902 | .990 | 1.000 |

Tabla 3.33 : Matriz de coeficientes de correlación entre pares de variables de la zona sur de la Población de Lillet.

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | GROSOR | VEGET | ACUENCA | LONG | AFS | LFS |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|--------|-------|---------|-------|-------|-------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | .384 | 1.000 | | | | | | | | | | | | | | |
| PENDS | .378 | .984 | 1.000 | | | | | | | | | | | | | |
| ORIENT | .121 | .016 | .042 | 1.000 | | | | | | | | | | | | |
| CURVAR | .108 | .128 | .144 | .011 | 1.000 | | | | | | | | | | | |
| PERFIL | -.147 | -.156 | -.169 | -.052 | -.839 | 1.000 | | | | | | | | | | |
| PLA | .047 | .070 | .085 | -.027 | .881 | -.480 | 1.000 | | | | | | | | | |
| RUGOS | -.088 | .197 | .208 | -.064 | .007 | -.072 | -.052 | 1.000 | | | | | | | | |
| INSOL | -.135 | -.702 | -.645 | .438 | .151 | -.144 | .119 | -.087 | 1.000 | | | | | | | |
| PENDM | .101 | .374 | .338 | -.011 | -.515 | .404 | -.478 | .204 | -.437 | 1.000 | | | | | | |
| GROSOR | -.539 | -.086 | -.083 | .058 | -.126 | .143 | -.078 | .144 | .086 | .082 | 1.000 | | | | | |
| VEGET | -.107 | -.002 | .001 | -.270 | -.171 | .179 | -.120 | .058 | -.150 | .144 | .160 | 1.000 | | | | |
| ACUENCA | -.081 | -.078 | -.111 | -.001 | -.681 | .525 | -.641 | .093 | -.131 | .815 | .110 | .135 | 1.000 | | | |
| LONG | -.082 | -.065 | -.097 | .001 | -.664 | .515 | -.621 | .100 | -.143 | .823 | .113 | .134 | .996 | 1.000 | | |
| AFS | -.209 | -.064 | -.092 | -.088 | -.591 | .463 | -.549 | .117 | -.157 | .728 | .258 | .243 | .873 | .873 | 1.000 | |
| LFS | -.212 | -.055 | -.083 | -.091 | -.576 | .453 | -.533 | .122 | -.167 | .731 | .257 | .243 | .869 | .875 | .996 | 1.000 |

Tabla 3.43: Matriz de coeficientes de correlación entre pares de variables de la Población de Lillet (malla 45 * 45 m).

Matriz de correlaciones

| Correlación | MDE | PEND | PENDS | ORIENT | CURVAR | PERFIL | PLA | RUGOS | INSOL | PENDM | FMS | VEGET | ACUENCA | LONG | AFS | LFS |
|-------------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|---------|-------|-------|-------|
| MDE | 1.000 | | | | | | | | | | | | | | | |
| PEND | .021 | 1.000 | | | | | | | | | | | | | | |
| PENDS | .063 | .973 | 1.000 | | | | | | | | | | | | | |
| ORIENT | -.018 | .245 | .232 | 1.000 | | | | | | | | | | | | |
| CURVAR | .163 | -.228 | -.215 | -.194 | 1.000 | | | | | | | | | | | |
| PERFIL | -.071 | .323 | .297 | .164 | -.861 | 1.000 | | | | | | | | | | |
| PLA | .211 | -.051 | -.056 | -.163 | .830 | -.430 | 1.000 | | | | | | | | | |
| RUGOS | -.001 | -.132 | -.144 | .022 | -.026 | -.054 | -.106 | 1.000 | | | | | | | | |
| INSOL | .112 | -.754 | -.717 | .101 | .253 | -.275 | .147 | .232 | 1.000 | | | | | | | |
| PENDM | -.090 | .700 | .675 | .258 | -.528 | .488 | -.402 | -.010 | -.574 | 1.000 | | | | | | |
| FMS | -.036 | .112 | .124 | .098 | -.036 | .016 | -.045 | .032 | -.067 | .078 | 1.000 | | | | | |
| VEGET | .119 | .047 | .069 | -.262 | .031 | -.033 | .018 | -.087 | -.158 | .013 | .551 | 1.000 | | | | |
| ACUENCA | -.154 | .127 | .115 | .142 | -.570 | .374 | -.600 | .057 | -.136 | .657 | -.027 | -.039 | 1.000 | | | |
| LONG | -.158 | .128 | .116 | .126 | -.550 | .353 | -.588 | .059 | -.140 | .656 | -.028 | -.031 | .994 | 1.000 | | |
| AFS | -.134 | .084 | .117 | .164 | -.424 | .237 | -.492 | .054 | -.110 | .513 | .427 | .204 | .743 | .739 | 1.000 | |
| LFS | -.137 | .083 | .116 | .156 | -.415 | .227 | -.487 | .054 | -.114 | .516 | .421 | .209 | .744 | .748 | .996 | 1.000 |

Tabla 3.52: Matriz de coeficientes de correlación entre pares de variables del área de Vallcebre (malla 45 * 45 m).

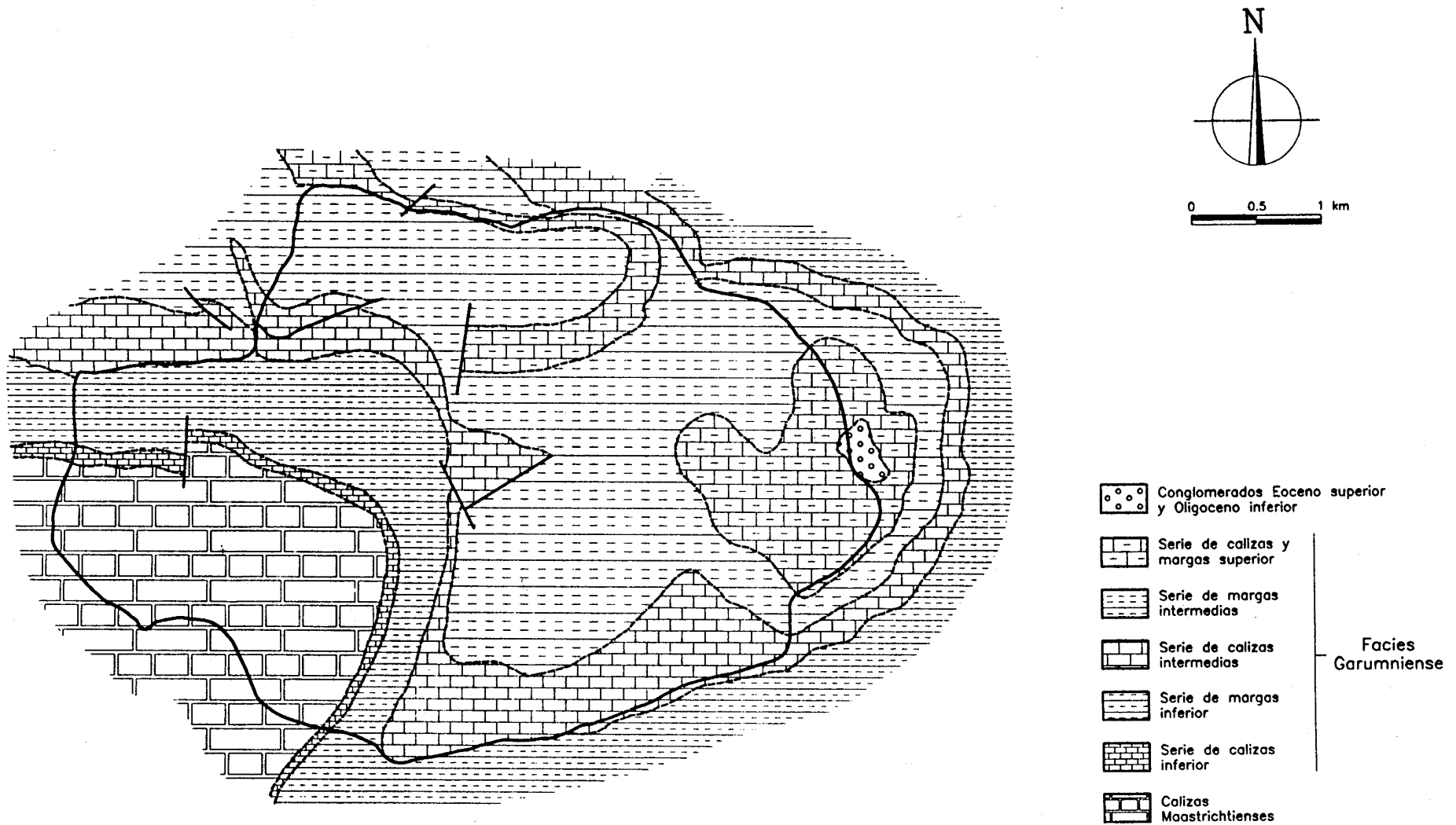


Figura 3.7: Esquema geológico de la cuenca de Vallcebre (Balasch, 1986).

Figura 3.10: Diagrama de flujo del procedimiento completo.

